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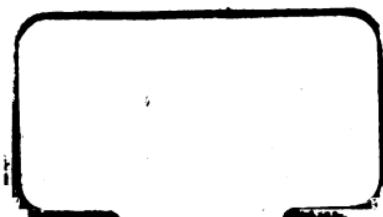
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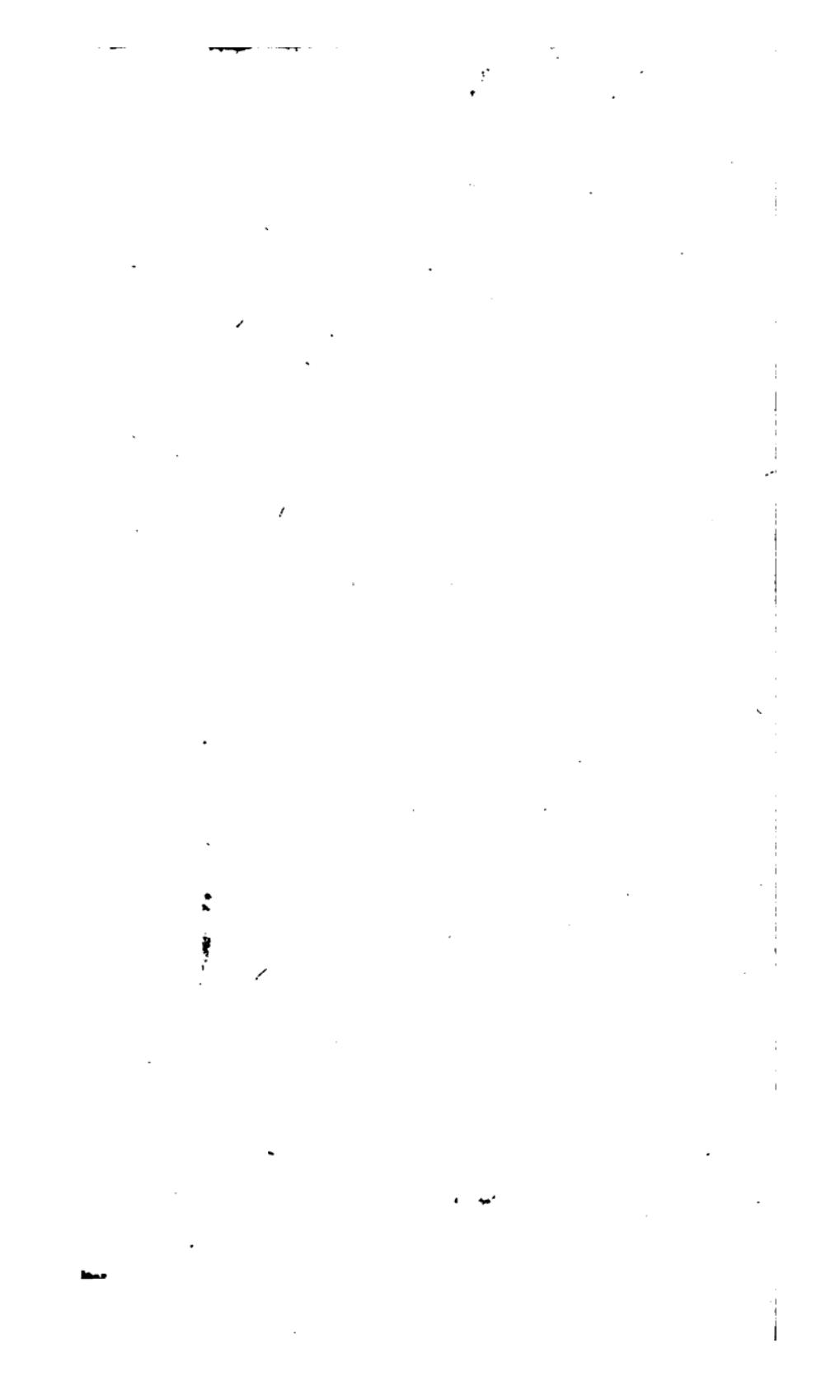
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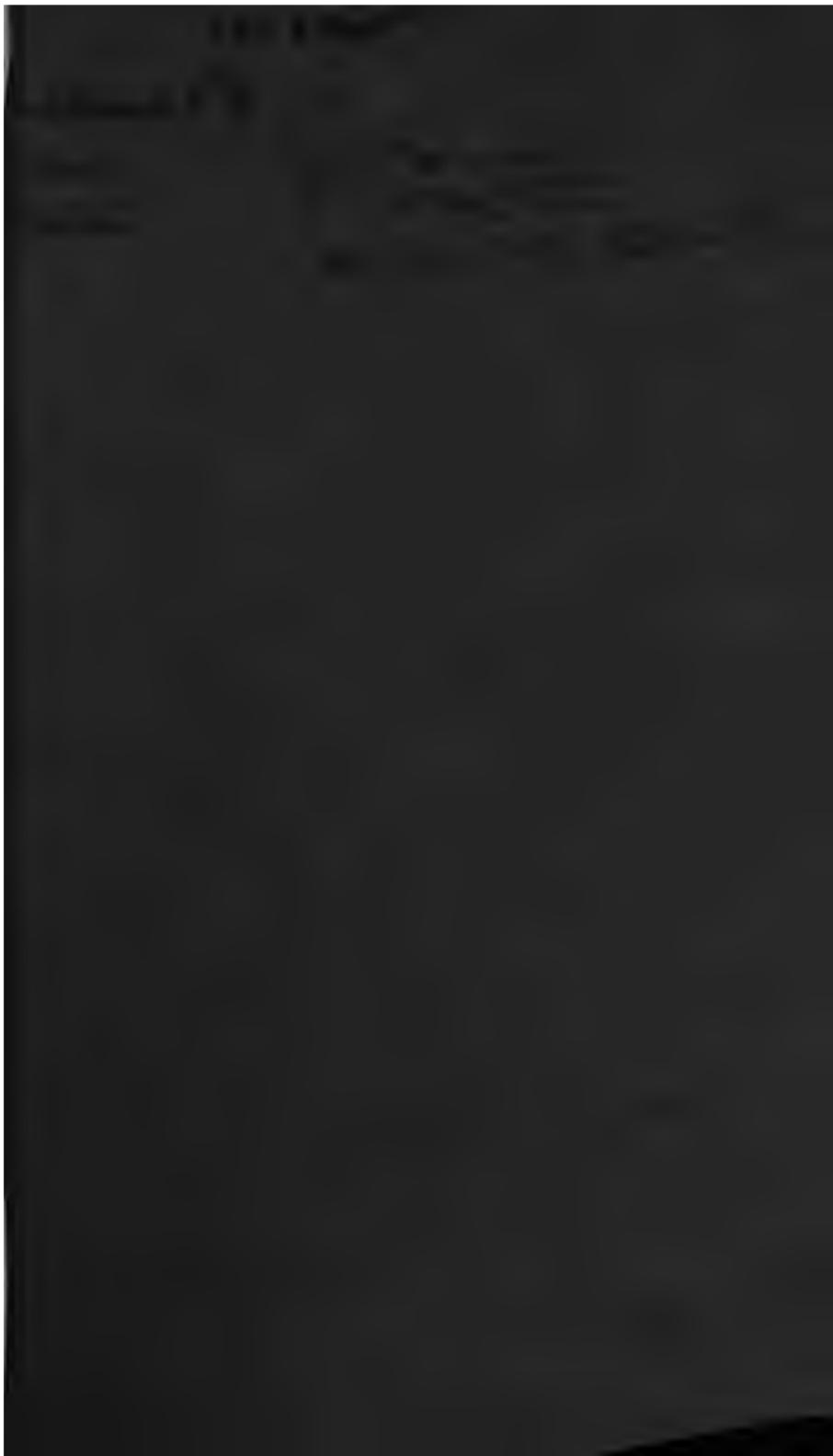
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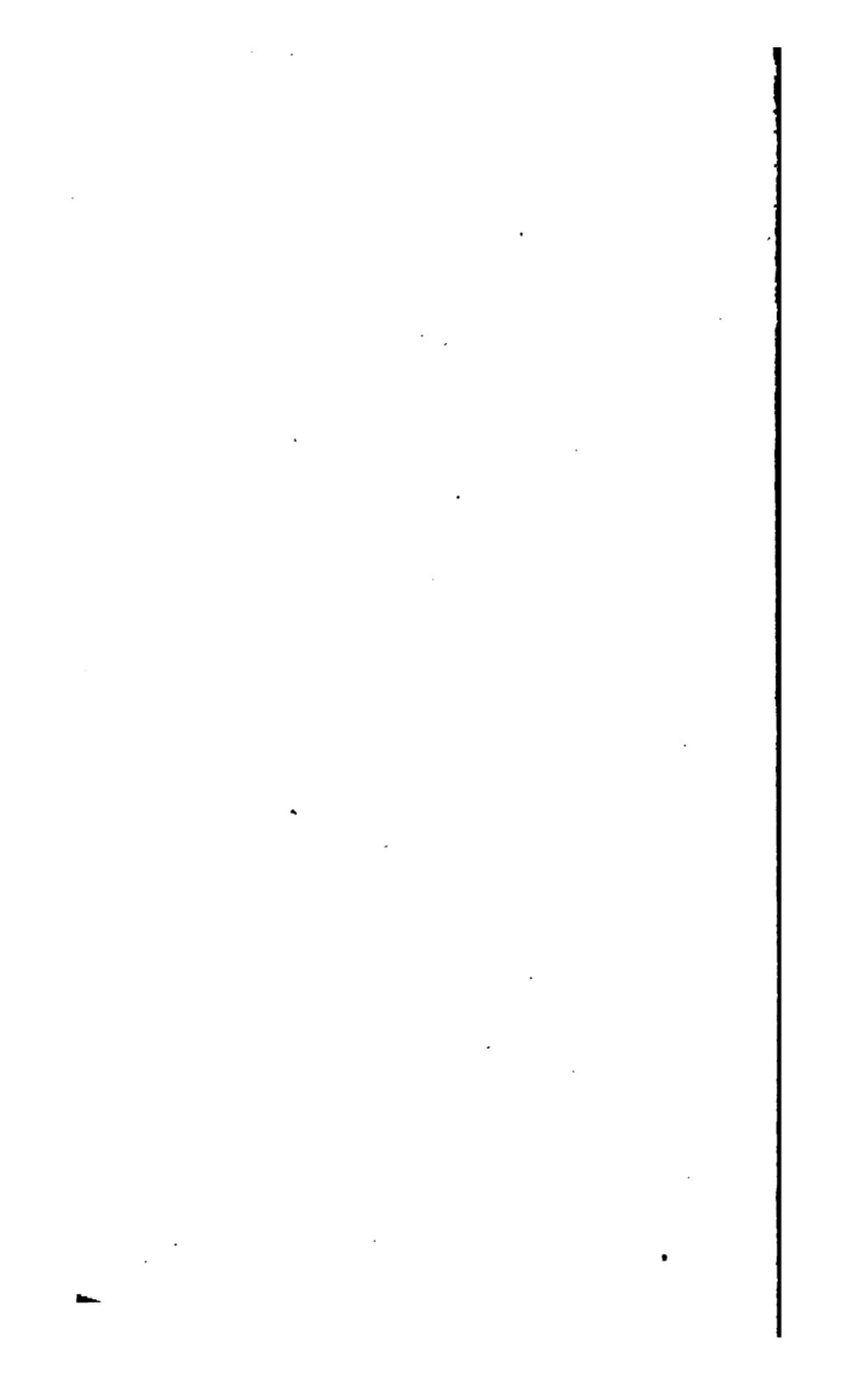
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LIST  
OF THE  
SPECIMENS

OF  
LEPIDOPTEROUS INSECTS

IN  
THE COLLECTION

OF THE

BRITISH MUSEUM. (Nat. Hist.  
Dept. of zoology.)  
BY

FRANCIS WALKER, F.L.S., &c.

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PART XXXIV.  
SUPPLEMENT.—Part 4.

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## P R E F A C E .

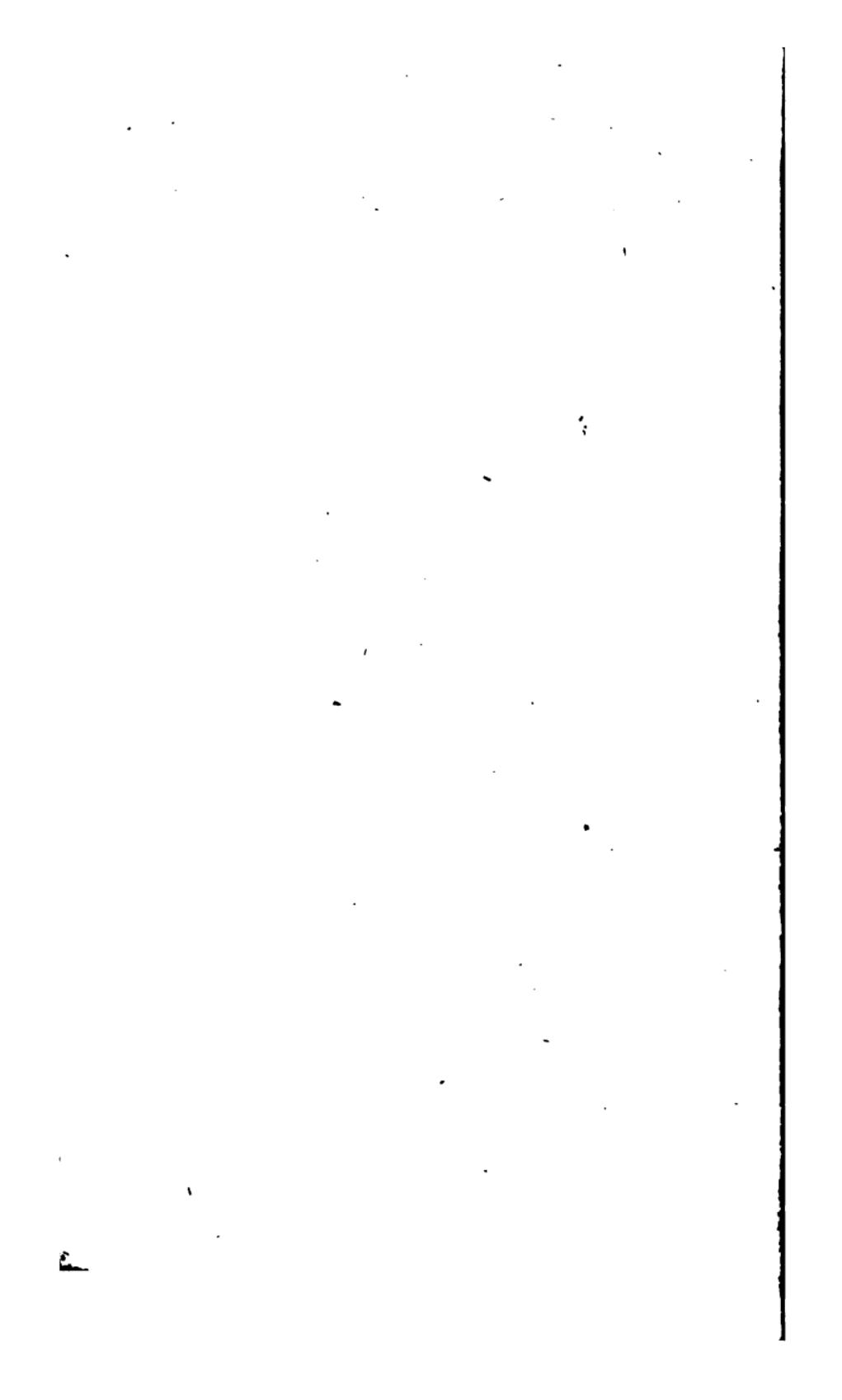
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THE object of the present Catalogue is to give a list of the Specimens received by the Museum or described by Naturalists since the publication of the former Parts. The letters *a*, *b*, *c*, &c., after the species, denote the specimens now contained in the British Museum, followed by the *habitat* and the mode in which each of them was obtained; the absence of these *letters* indicates the species which are desiderata for the Entomological collection.

JOHN EDWARD GRAY.

*British Museum,*

*November 16, 1865.*



CATALOGUE  
OF  
LEPIDOPTERA HETEROCEA.  
—  
SEVENTH SERIES.

Tribe DELTOIDITES, *C. L. H.* xvi. 1.

Fam. PLATYDIDÆ. *C. L. H.* xvi. 2.

Genus PLATYDIA, *C. L. H.* xvi. 9.

PLATYDIA ÆQUALIS.

*Fœm.* *Pallide cervina*; *palpi verticem longe superantes*, *articulo 2o supra convexo*, *3o linearis*; *alæ nigro conspersæ*, *linea subpallidiore obliqua subrecta ferrugineo fuscoque marginata*, *lunula discali alba*, *linea submarginali et litoris nigricantibus*; *antica linea basali subpallidiore obliqua ferrugineo marginata*; *antice abbreviata*, *margine exteriore postico dentato*; *posticæ plega postice nigra*, *margine exteriore dentato*.

*Female.* Pale fawn-colour. Palpi smooth, slender, longer than the breadth of the head, rising much higher than the vertex; second joint convex above; third linear, nearly as long as the second. Legs smooth, slender. Wings minutely black-speckled, with a nearly straight line, which is a little paler than the ground hue, and is bordered with ferruginous on the inner side and slightly with brown on the outer side, and extends from near the end of the interior border of the hind wings, and is retracted in the fore wings near the costa, which it joins at about three-fifths of the length of

the latter; a narrow irregular white lunule in the disk on the inner side of the line, broader beneath; submarginal line indicated by a few blackish marks of various size; under side with a brown post-medial slightly undulating line composed of lunules. Fore wings acute; an oblique line near the base, a little paler than the ground-hue, bordered with ferruginous on the outer side, much abbreviated towards the costa; hind part of the exterior border scalloped. Hind wings with a black patch on the interior border joining the inner side of the line; exterior border scalloped. Length of the body 6 lines; of the wings 16 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### PLATYDIA RUFINALIS.

**Fœm.** *Rufa; palpi subascendentes, verticem vix superantes, articulo 2o fimbriato, 3o sublanceolato; abdominis latera subfasciculata; alæ anticae subfalcatae, lineis duabus nigricantibus, 1a basali, 2a postmedia, dimidio exteriore viridescente plagam ochraceam nigro unimaculatum includente, lineis nonnullis albidis angulosis, costa basi subconvexa, margine exteriore apud medium valde arcuato; posticae fuscæ, fimbria cinerea basi rosea.*

**Female.** Red, reddish cinereous beneath. Palpi slightly ascending, hardly rising higher than the vertex, a little longer than the breadth of the head; second joint fringed; third slightly lanceolate, about half the length of the second. Abdomen with minute tufts along each side, extending a little beyond the hind wings. Legs smooth. Fore wings subfalcate, here and there with a slight opaline lustre; two blackish zigzag lines, one near the base, the other beyond the middle; exterior half greenish, containing an ochraceous patch, which includes a black spot; some zigzag whitish lines, which are indistinct, except two beyond the second blackish line; these are interrupted by the patch; costa slightly convex near the base; exterior border forming a prominent rounded angle between the second and third inferior veins. Hind wings brown; fringe cinereous, rosy at the base. Length of the body 6 lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

## PLATYDIA ACUMINATALIS.

**Fœm.** *Fuscescente-cinerea; palpi graciles, arcuati, subfimbriati, verticem longissime superantes, articulo 3o lanceolato; antennæ gracillimæ, setulose; alæ elongatæ, lineis duabus nigris angulosis, spatio exteriore fusco, linea submarginali angulosa pallide cinerea; lunulis marginalibus nigris; antice peracute, lineis duabus basalibus nigris angulosis, litura discali nigricante cinerea pallido marginata, margine exteriore via flexo.*

**Female.** Brownish cinereous, slender. Palpi slender, curved, full twice longer than the breadth of the head and rising very high above the vertex; second and third joints slightly fringed above; third lanceolate, full half the length of the second. Antennæ setulose, very slender. Abdomen hardly extending beyond the hind wings. Legs smooth, slender. Wings elongate, with two black zigzag oblique lines; first line across the middle; space beyond the second line mostly brown; submarginal line pale cinereous, zigzag; marginal lunules black. Fore wings very acute, with two black zigzag incomplete lines near the base; a blackish mark in the disk, bordered with pale cinereous on the outer side, interrupting the middle line; exterior border hardly bent in the middle. Length of the body 6 lines; of the wings 15 lines.

a. —— ?

## PLATYDIA EQUIFERALIS.

**Fœm.** *Purpurascente-cinerea; palpi oblique ascendentæ, verticem longe superantes, articulo 2o supra subconvexo, 3o linearis; antennæ setulose; alæ nigro subconspersæ, lineis duabus fuscis obliquis subangulosis, 2a duplicata, linea exteriore subundulata e punctis elongatis nigris, margine exteriore subdentato; antice acutæ, linea intermedia fusca angulosa, guttis tribus nigris; postice macula nigra, fascia flavescente.*

**Female.** Purplish cinereous, pale cinereous beneath. Palpi smooth, obliquely ascending, much longer than the breadth of the head and rising much higher than the vertex; second joint slightly convex above; third linear, slender, a little shorter than the second. Antennæ minutely setulose. Abdomen extending a little beyond the hind wings. Legs smooth. Wings thinly and minutely black-speckled, with two brown oblique slightly zigzag lines; first line antemedial; second postmedial, double; a more exterior slightly undulating line of elongated black points; exterior border slightly

dentate; under side thickly brown-speckled, with three incomplete blackish zigzag lines. Fore wings acute, with an intermediate brown zigzag line; a black dot between the first and second lines, and two black dots between the second and third lines; under side with a blackish apical patch. Hind wings with a black spot and an incomplete yellowish band between the lines. Length of the body 6 lines; of the wings 16 lines.

a. ——?

#### Genus ANIANA.

*Fæm.* Corpus sat gracile. Proboscis brevis. Palpi pilosi, subangulati, oblique ascendentes, verticem non superantes; articulus 3us porrectus, 2i dimidio fore brevior. Antennæ graciles. Abdomen alas posticas per paullo superans. Pedes robusti. Alæ antice elongatæ, subfalcatae, margine exteriore subangulato.

*Female.* Body rather slender. Proboscis short. Palpi pilose, obliquely ascending, a little longer than the breadth of the head, not rising higher than the vertex; third joint porrect, hardly half the length of the second, with which it forms a slight angle. Antennæ slender. Abdomen extending very little beyond the hind wings. Legs stout, moderately long. Wings elongate. Fore wings subfalcate; exterior border forming a rounded angle in the middle.

#### ANIANA STRAMINEALIS.

*Fæm.* Pallide straminea, fusco subconspersa; palpi extus ferruginei; alæ lunulis marginalibus nigricantibus, costa subtus ochracea; antice orbiculari e gutta elongata nigricante, reniformi e annulo nigricante.

*Female.* Pale straw-colour, slightly iridescent, thinly and minutely brown-speckled. Palpi ferruginous on the outer side. Wings with blackish marginal lunules; costa ochraceous on the under side. Fore wings with a small blackish longitudinally elongated dot forming the orbicular mark; reniform represented by a blackish ringlet; lunules darker and broader than those of the hind wings. Length of the body 6½ lines; of the wings 18 lines.

a. Ega. From Mr. Bates' collection.

## Genus CANATHA.

**Fæm.** Corpus sat validum. Fasciculus frontalis productus. Proboscis brevis. Palpi squamosi, sat robusti, oblique ascendentibus, verticem non superantes; articulus 3us conicus. Abdomen alas posticas non superans. Pedes glabri, graciles; calcaria longa, gracilia. Alæ antice elongatae, acutæ, in margine exteriore angulato; postice margine exteriore costam versus subangulato.

**Female.** Body moderately stout. Frontal tuft prominent. Proboscis short. Palpi squamous, rather stout, obliquely ascending, not rising higher than the vertex; third joint conical, not more than one-fourth of the length of the second. Abdomen not extending beyond the hind wings. Legs smooth, slender; spurs long, slender. Wings elongate. Fore wings acute; exterior border obtusely angular between the second and third inferior veins; second inferior vein as near to the third as to the first; fourth moderately remote from the third. Hind wings with the exterior border slightly angular near the costa.

Allied to *Platydia*, from which genus it may be distinguished by the structure of the palpi.

## CANATHA CONFUTALIS.

**Fæm.** *Flavescens, fusco conspersa; alæ linea ferruginea obliqua subrecta apud costam retracta, linea submarginali cinerea angulosa, lunulis marginalibus nigris albo marginalis; antice linea nigricante basali abbreviata subarcuata, striga costali obliqua nigricante, reniformi magna nigricante, gutta apicali nigra; postice reniformi e guttis tribus nigricantibus subconnexis.*

**Female.** Yellowish, thickly brown-speckled, dull ochraceous beneath. Wings with a nearly straight ferruginous line, which extends from near the end of the interior border of the hind wings, and is retracted in the fore wings near the costa, which it joins at somewhat beyond the middle; a zigzag cinereous submarginal line; marginal lunules black, white-bordered on the inner side. Fore wings with an abbreviated slightly outward-curved blackish line near the base; a blackish streak extending obliquely from the costa towards the reniform mark, which is large and blackish; four elongated blackish costal points near the tip; a black apical dot. Hind wings with the reniform mark composed of three nearly-

connected blackish dots. Length of the body  $3\frac{1}{2}$  lines; of the wings 10 lines.

a. Ega. From Mr. Bates' collection.

CANATHA SUBANGULALIS.

Fœm. *Pallide cinereo-ochracea; alæ fusco conspersæ, spatio exteriore ferrugineo, linea submarginali cinerea indistincta subangulosa, lunulis marginalibus nigris; anticæ linea basali subarcuata lineaque media diffusa subobliqua fuscis, lunula alba, gutta nigra, spatio marginali antico glauco-cinereo, margine exteriore vix angulato; posticæ lineis duabus fuscis obliquis, strigula intermedia nigra clavata, fascia marginali obscure cinerea, margine exteriore angulis duabus valde obtusis.*

*Female.* Pale cinereous-ochraceous. Abdomen extending a little beyond the hind wings. Wings brown-speckled; space towards the exterior border partly ferruginous, with a cinereous indistinct slightly zigzag submarginal line; marginal lunules black. Fore wings with a slightly outward-curved brown line near the base, and with a brown diffuse slightly oblique middle line, which is retracted towards the costa, and has on its inner side a white lunule and on its outer side a black dot; space along the fore part of the exterior border glaucous-cinereous; four pale cinereous costal points near the tip; exterior border hardly angular. Hind wings with two oblique brown lines, between which there is a little clavate black streak; a dark cinereous band near the outer side of the second line; exterior border with two very obtuse angles. Length of the body  $4\frac{1}{2}$  lines; of the wings 12 lines.

a. Honduras. From Mr. Dyson's collection.

Genus MAGULABA.

Fœm. Corpus læve, sat robustum. Fasciculus frontalis porrectus, acutus. Proboscis brevis. Palpi porrecti, vix angulati, caput longe superantes; articulus 2us supra subtusque densissime fibratus; 3us lanceolatus, 2i diuidio brevior. Antennæ graciles. Pedes læves, sat robusti; calcaria longa. Alæ anticæ elongatæ, sat angustæ, apice rectangulatæ, marginæ exteriore postico perobliquo.

*Female.* Body smooth, rather stout. Frontal tuft porrect, acute. Proboscis short. Palpi porrect, extending much beyond the head and as long as its breadth; second very densely fringed above and beneath; third lanceolate, very slightly ascending, not

more than one-third of the length of the second. Antennæ slender. Legs smooth, rather stout; spurs long. Wings elongate, rather narrow. Fore wings rectangular at the tips; hind part of the exterior border very oblique; discal fold very distinct; second inferior vein much nearer to the first than to the third; fourth remote from the third.

#### MAGULABA MESTALIS.

*Fœm.* *Ferrugineo-fusca; alæ lineis duabus fuscis postmedialis obliquis angulosis; anticæ linea fusca antemedia angulosa, lineola longitudinali valde undulata punctisque duobus exterioribus albis, strigis tribus obliquis lineaque exteriore costaliibus nigricantibus; posticæ punto antemedio albo transverso elongato.*

*Female.* Ferruginous-brown, cinereous-brown beneath. Wings with two slender brown zigzag oblique postmedial lines; marginal festoon brown. Fore wings with an antemedial zigzag brown line; a short slender longitudinal deeply undulating white line in the disk and two exterior white points; three short blackish oblique costal streaks; a blackish line along the apical part of the costa containing four whitish points. Hind wings with a transversely elongated white point in the disk before the middle. Wings beneath with more conspicuous white marks. Length of the body  $3\frac{1}{2}$  lines; of the wings 9 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

#### Genus ÆGARA.

*Fœm.* Corpus lœve, sat robustum. Palpi graciles, squamosi, subarcuati, verticem longissime superantes; articulus 2us supra fimbriatus; 3us lanceolatus, 2o valde brevior. Antennæ setosæ. Abdomen alas posticus vix superans. Pedes glabri, graciles; calcaria longæ, gracilia. Alæ anticæ elongatæ, subfalcatae, margine exteriore subflexo; posticæ margine exteriore subdentato.

*Female.* Body smooth, rather stout. Palpi slender, squamous, slightly curved, much longer than the breadth of the head and rising very high above the vertex; second joint fringed above, except towards the tip; third lanceolate, much shorter than the second. Antennæ setose. Abdomen hardly extending beyond the hind wings. Legs smooth, slender; spurs long, slender. Wings elongate, moderately broad. Fore wings subfalcate, acute; exterior border slightly bent in the middle; discal fold distinct; second inferior vein as near

to the third as to the first; fourth very remote from the third. Hind wings with the exterior border slightly dentate.

#### *ÆGARA INTERRUPTALIS.*

*Fœm.* *Fusca*; *alæ lineis tribus cinereis angulosis*, *linea marginali duplicata fimbriaque albis strigas fuscas includentibus*, *subtus purpurascente-fuscæ lunula utra lineaque angulosa lutea*; *anticæ macula nigra lineolaque cyanescente apicalibus*, *orbiculari et reniformi flavis parvis angustis*.

*Female.* Brown. Body cinereous beneath. Wings with three zigzag cinereous lines, of which the first is indistinct in the hind wings; a double white marginal line, which is here and there interrupted by brown streaks, which extend also over the white fringe; under side purplish brown, whitish-speckled, with a deep black lunule in the disk, with a zigzag luteous line of which the hind part is whitish, and with a luteous marginal line, which is bordered with dark brown on both sides. Fore wings with a black apical spot, which has a little bluish line on its inner side; orbicular and reniform marks yellow, small, narrow, irregular. Length of the body  $3\frac{1}{2}$  lines; of the wings 10 lines.

*g.* *Ega.* From Mr. Bates' collection.

#### Genus GAALA.

*Mas.* Corpus gracile. Proboscis brevis, gracilis. Palpi porrecti, subdeflexi, vix angulati, capitibus latitudine multo longiores; articulus 2us squamosus basi supra subfimbriatus; 3us lanceolatus, subascendens, 2i dimidio brevior. Antennæ sat late pectinatæ. Abdomen alas posticas paullo superans; fasciculus apicalis minimus, subcompressus. Pedes glabri, graciles; calcaria longissima, gracillima. Alæ anticæ elongatæ, acutæ, apice rectangularitæ, margine exteriore angulato.

*Male.* Body slender. Proboscis short, slender. Palpi porrect, slightly diverging from each other, very much longer than the breadth of the head; second joint squamous, slightly fringed above towards the base; third lanceolate, slightly ascending, not more than one-third of the length of the second. Antennæ rather broadly pectinated. Abdomen extending a little beyond the hind wings; apical tuft very small, slightly compressed. Legs smooth, slender; spurs very long and slender. Wings elongate, moderately long. Fore wings acute, rectangular at the tips; exterior border distinctly

angular in the middle, its hind part extremely oblique; second inferior vein nearer to the first than to the third; fourth very remote from the third.

#### GAALA DISPUNCTALIS.

**Mas.** *Pallide cinereo-ochracea; palporum articulus 3us nigricans, basi apiceque albidus; alac linea cervina recta obliqua apud costam retracta, linea submarginali cinerea angulosa valde indistincta, lunulis marginalibus nigris cinereo marginatis; antice macula fusca costali post media trigona elongata cinereo marginata, reniformi e punctis tribus nigris.*

**Male.** Pale cinereous-ochraceous. Third joint of the palpi blackish, whitish at the base and at the tip. Wings with a straight fawn-coloured line, which extends from three-fourths of the length of the interior border of the hind wings to the reniform mark of the fore wings, and is there retracted to the costa; submarginal line cinereous, zigzag, very indistinct; marginal lunules black, cinereous-bordered. Fore wings with an elongated triangular costal post-medial brown spot, which is bordered with cinereous on the inner side; three black points representing the reniform mark; four cinereous costal subapical points. Length of the body 5 lines; of the wings 12 lines.

Brazil. In Mr. Saunders' collection.

#### Genus CURICTA.

**Fam.** Corpus sat robustum. Proboscis mediocris. Palpi erecti, squamosi, sat graciles, capitis latitudine multo longiores; articulus 2us subfimbriatus; 3us linearis, 2i dimidio paullo longior. Antennae sat graciles. Abdomen alas posticas non superans. Pedes lèves, sat validi. Alæ antice late, acutæ, costæ dimidio basali subconvexo, margine exteriore angulato.

**Female.** Body rather stout. Proboscis moderately long. Palpi erect, squamous, rather slender, much longer than the breadth of the head; second joint with a short fringe above; third linear, a little more than half the length of the second. Antennæ rather slender. Abdomen not extending beyond the hind wings. Legs smooth, rather stout; spurs moderately long. Wings broad. Fore wings acute; costa slightly convex for half the length from the base; exterior border angular in the middle; second inferior vein much nearer to the first than to the third; fourth moderately remote from the third.

## CURICTA OPPOSITALIS.

*Fœm.* *Pallide viridis; palpi rufescentes, fusco varii; abdomen subtus rufo-fasciatum; alæ anticæ spatio marginali purpurascente-cinereo viridi marginato, subtus rufæ; posticæ pallide rufæ.*

*Female.* Pale green. Pectus and anterior legs reddish. Palpi reddish, partly brown. Abdomen with pale red bands beneath. Fore wings red beneath; marginal space purplish cinereous, bordered by a deep green straight oblique line. Hind wings pale red. Length of the body 6 lines; of the wings 18 lines.

Aru. In Mr. Saunders' collection.

## CURICTA ? XANTHOCHLORALIS.

*Mas.* *Viridis; caput antice fuscum; palpi fusi, dense fimbriati, verticem vix superantes, articulo 3o lanceolato; pectus rufum; abdomen pallide ochraceum; alæ anticæ falcatae, punto discali lineaque submarginali subrecta saturate viridibus, spatio marginali glaucescente; postica rufæ. Fœm.—Caput fuscum; alæ anticæ linea submarginali ferruginea, spatio marginali obscure purpurascente-cinereo; posticæ ochraceæ.*

*Male.* Green. Head brown in front. Palpi brown, thickly fringed beneath, hardly rising higher than the vertex and not longer than the breadth of the head; third joint lanceolate, hardly half the length of the second. Pectus and legs red; tarsi blackish. Abdomen pale ochraceous. Fore wings falcate, with a deep green discal point and with a nearly straight deep green submarginal line; space between this line and the exterior border somewhat glaucous; under side red, except along the exterior border, which is very prominent and much rounded in the middle; subcostal space thickly tufted beneath towards the base. Hind wings red; fringe dark cinereous. Length of the body 6 lines; of the wings 16 lines.

New Guinea.

*Female.* Head wholly brown. Fore tibiæ blackish. Wings with a blackish fringe. Fore wings with a ferruginous submarginal line; a dark purplish cinereous space between this line and the exterior border, which is less prominent and less rounded than that of

the male; under side reddish ochraceous. Hind wings ochraceous, reddish ochraceous beneath.

Morty and New Guinea. In Mr. Saunders' collection.

Fam. HYPENIDÆ, *C. L. H.* xvi. 11.

Genus SARMATIA, *C. L. H.* xvi. 21.

SARMATIA DIVISALIS.

**Mas.** *Albido-cinerea; caput, thorax et alæ anticæ subochraceo-cinerea; palpi subarcuati, verticem longe superantes, articulo 3o lanceolato; antennæ dense setosæ; alæ anticæ lineis duabus fuscis antemediis postice connexis, 2a antice abbreviata, fascia exteriore albida obliqua extus diffusa, lineola adhuc exteriore lineaque duplicita subrecta submarginali fuscis.*

**Male.** Whitish cinereous. Head, thorax and fore wings slightly tinged with ochraceous. Palpi squamous, slightly curved, longer than the breadth of the head and rising much higher than the vertex; third joint lanceolate, more than half the length of the second. Antennæ thickly setose. Abdomen lanceolate, extending much beyond the hind wings; apical tuft very small. Legs smooth. Fore wings acute; two brown antemedial lines, which are connected on the interior border; second line commencing at half the breadth of the wing; a whitish oblique exterior band, which is diffuse on the outer side and is concisely limited on the inner side by a darker hue than that of the wing elsewhere; a short brown more exterior line in the disk, and a double brown almost straight submarginal line; exterior border convex, rather oblique. Length of the body 6½ lines; of the wings 12 lines.

a. South Africa. Presented by Sir A. Smith.

Genus HYPENA, *C. L. H.* xvi. 21.

HYPENA CRASSALIS.

*crassalis*, *Cat. Lep. Het.* xvi. 23.

a, b. Batisbon. From M. H.-Schæffer's collection.

HYPENA OBSITALIS.

*obsitalis*, *Cat. Lep. Het.* xvi. 23.

a. Italy. From M. H.-Schæffer's collection.

**HYPENA ANTIQUALIS.**

*antiqualis*, *Cat. Lep. Het.* xvi. 26.

a. Dalmatia. From M. H.-Schäffer's collection.

**HYPENA FUMIDALIS.**

*fumidalis*, *Zll. Lep. Caffr.* 7.

Natal.

**HYPENA COMMIXTALIS.**

*commixtalis*, *Zll. Lep. Caffr.* 8.

Natal.

**HYPENA TINCTALIS.**

*tinctalis*, *Zll. Lep. Caffr.* 9.

Natal.

**HYPENA REVOLUTALIS.**

*revolutalis*, *Zll. Lep. Caffr.* 10.

South Africa.

**HYPENA SIMPLICALIS.**

*simplicalis*, *Zll. Lep. Caffr.* 11.

Natal.

**HYPENA CINCTIPEDALIS.**

*cinctipedalis*, *Zll. Lep. Caffr.* 12.

South Africa.

**HYPENA BISIGNALIS.**

*bisignalis*, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* 1, 108.

Brazil.

**HYPENA PYRALALIS.**

*pyralalis*, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 108.

Brazil.

**HYPENA XEMUSALIS.**

*Xemusalis*, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 109.

Cape.

## HYPENA? MURINA.

*murina*, Wlk. *Trans. Ent. Soc. Lond. 3rd Ser. i.* 109.

## HYPENA RUFINALIS.

**Fœm.** *Rufescens; palpi capitis latitudine fere duplo longiores, articulo 3o lanceolato 2i dimidio longiore; abdomen cinereum; alæ anticae lineis tribus postmediis cinereis angulatis, fimbria nigra; postica cinerea.*

**Female.** Dull reddish. Abdomen, hind wings and under side cinereous. Palpi porrect, nearly twice longer than the breadth of the head; third joint lanceolate, more than half the length of the second. Abdomen not extending beyond the hind wings. Fore wings rectangular at the tips, with three cinereous angular lines between the middle and the exterior border; several small black speckles between the middle of the breadth and the interior border; fringe mostly black; exterior border hardly oblique, except towards the interior angle. Length of the body 5 lines; of the wings 12 lines.

It has most resemblance to *H. factiosalis*, but the wings have no black marginal lunules.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

## HYPENA SCISSALIS.

**Mas.** *Cervina; palpi squamosi, subangulati, capitis latitudine duplo longiores, articulo 3o pallide cinereo; antennæ setosæ; abdominis fasciculus apiculis pallide cinereus; alæ anticae linea alba recta obliqua, spatio exteriore cano consperso, puncto subcostali nigro; postica cinerea.*

**Male.** Fawn-colour, cinereous beneath. Frontal tuft prominent. Palpi squamous, twice longer than the breadth of the head; second joint porrect; third lanceolate, obliquely ascending, pale cinereous, about half the length of the second. Antennæ setose. Abdomen extending a little beyond the hind wings; apical tuft pale cinereous. Legs smooth. Fore wings acute, with a straight white line which extends from the middle of the interior border to three-fourths of the length of the costa; space between this line and the

exterior border suffused with hoary; a black subcostal point at three-fourths of the length; exterior border slightly convex and oblique. Hind wings cinereous. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### HYPENA? CONCINNULALIS.

**Mas.** *Pallide cinereo-fusca; palpi capitis latitudine duplo longiores, articulo 3o nigro lanceolato 2i dimidio breviore; antennæ serratae, setosæ; alæ punctis marginalibus nigris; antice subfalcatae, punto lineisque duabus exterioribus denticulatis arcuatis albido; posticæ albidae, fuscescente marginatae.*

**Male.** Pale cinereous-brown, slender. Palpi slender, porrect, fringed, twice longer than the breadth of the head; third joint lanceolate, mostly black, less than half the length of the second. Antennæ serrated, each tooth terminated by a rather long bristle. Legs slender. Wings with black marginal points. Fore wings subfalcate, acute, with a whitish point in the disk and with two exterior whitish lines, of which the second is more denticulated and less bent outward than the first; exterior border convex, moderately oblique. Hind wings whitish, pale brownish along the exterior border. Length of the body  $2\frac{1}{2}$  lines; of the wings 6 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### HYPENA DISSEPTALIS.

**Fœm.** *Cinerea; palpi capitis latitudine longiores, articulo 2o supra late fimbriato, 3o lancolato brevi; alæ antice fasciis tribus fuscescentibus, 1a 2aque obliquis, 3a marginali abbreviata, punctis marginalibus nigris; posticæ fuscescente-cinerea, basi cinerea.*

**Female.** Cinereous. Frontal tuft porrect. Palpi porrect, rather longer than the breadth of the head; second joint broadly fringed above; third lanceolate, less than one-fourth of the length of the second. Antennæ slender, smooth. Abdomen extending a little beyond the hind wings. Legs smooth, slender. Fore wings acute, brownish along the costa to three-fourths of the length, and with three brownish bands; first and second bands oblique; first incomplete; second concise on the outer side, diffuse on the inner side; third marginal, broad, irregular, abbreviated at each end;

marginal points black; exterior border convex, slightly oblique. Hind wings brownish cinereous, except towards the base. Length of the body 5 lines; of the wings 12 lines.

Brazil. In Mr. Saunders' collection.

#### HYPENA DISSUTALIS.

**Fœm.** *Obscure glauco-cinerea; palpi longi, dense fimbriati, articulo 3o brevissimo; ale antica nigro subconspersa, strigis longitudinalibus nigris, linea media fusca subdenticulata antice angulata postice abbreviata, plagiis duabus fuscis, 1a antemedia, 2a marginali lineolam angulosam ramosam cinereum includente, punctis submarginalibus cinereis; postica fusca.*

**Female.** Dark glaucous-cinereous. Frontal tuft prominent. Palpi thickly fringed, less than twice longer than the breadth of the head; third joint not more than one-sixth of the length of the second. Abdomen, hind wings and under side brown. Legs smooth. Fore wings thinly black-speckled, with a few longitudinal black streaks; a brown slightly denticulated middle line, which is black towards the interior border, and forms a large outward angle near the costa; two brown patches; the first on the inner side of the line; the second extending to the exterior border, including a short zigzag cinereous line, which emits three cinereous streaks to a submarginal row of cinereous points. Length of the body 7 lines; of the wings 18 lines.

Rio Janeiro. In Mr. Fry's collection.

#### HYPENA ERASTRALIS.

**Fœm.** *Nigricante-cinerea; palpi longi, articulo 2o porrecto, 3o erecto lanceolato; ale antica dimidio exteriore cinerea, fascia media nigricante intus diffusa extus concisa, linea exteriore undulata strigaque longitudinali nigris, hac cinereo marginata.*

**Female.** Blackish cinereous, a little paler beneath. Palpi long; second joint porrect; third erect, pubescent, stylate at the tip, more than half the length of the second, with which it forms a nearly right angle. Fore wings with the exterior half cinereous; this hue is concisely bordered by a blackish band, which is diffuse on the inner side; exterior line black, undulating, interrupted in front by a curved black streak, which is bordered with cinereous on

the fore side; three pale cinereous costal subapical points. Length of the body 6 lines; of the wings 14 lines.

South Africa. In Mr. D'Urban's collection.

#### HYPENA DISCLUSALIS.

**Mas.** *Flavescens-cinerea; caput et thorax anticus fusca; palpi dense fimbriati, articulo 3o brevissimo; alæ anticae plaga magna fusca subtrigona, linea exteriore flavescens-cinerea lineam ferrugineam includente, plaga adhuc exteriore fusca maculam apicalem flavescens-cinereum includente, strigulis nonnullis transversis nigricantibus, lunulis marginalibus nigris; posticæ fuscae.*

**Male.** Yellowish cinereous, dull cinereous beneath. Head, palpi and fore part of the thorax brown. Palpi thickly fringed, much longer than the breadth of the head; third joint very short. Antennæ minutely setulose. Legs smooth. Fore wings with a few black speckles and with a large irregularly triangular patch, which occupies full three-fourths of the breadth from the costa, along which it is continued nearly to the base, and is bounded on the outer side by a zigzag yellowish cinereous line, which includes a ferruginous line and divides the patch from a more diffuse brown patch, which extends to the exterior border and contains a yellowish cinereous apical spot; marginal lunules black; some short blackish transverse streaks. Hind wings brown; fringe cinereous, interlined with brown. Length of the body 7 lines; of the wings 16 lines.

Closely allied to *H. vulgatalis*, from which it may be distinguished by the more angular transverse line of the fore wings.

a. South Africa. From Mr. Trimen's collection.

#### HYPENA VARIALIS.

**Fœm.** *Ferrugineo-fusca; palpi porrecti, subangulati, supra subfimbriati, capitis latitudine fere duplo longiores; alæ anticae purpurascente subtinctæ, nigricante conspersæ et nebulosæ, vitta abbreviata pallide cinerea, linea cinerea duplicata undulata lineam ferrugineam includente, gutta nigra antemedia, gutta strigaque apicali lata obliqua pallide cinereis, plaga apud angulum interiore magna cinerea; posticæ cinereo-fuscae.*

**Female.** Ferruginous-brown, cinereous beneath. Palpi porrect, with a short fringe above, nearly twice longer than the breadth

of the head; third joint lanceolate, obliquely ascending, pale cinereous at the tip, not more than one-third of the length of the second, with which it forms a slight angle. Fore wings blackish-speckled and partly blackish-shaded, slightly purplish-tinged, with a pale cinereous stripe, which extends from the base near the interior border to a little beyond half the length of the latter, where it joins a double undulating cinereous line, the latter proceeding from three-fourths of the length of the costa and including a ferruginous line; a black discal antemedial dot; a pale cinereous discal dot on the inner side of the undulating line, and an apical broad oblique pale cinereous streak, which is attenuated and angular at its hind end; a large cinereous space about the interior angle. Hind wings cinereous-brown. Length of the body 5 lines; of the wings 13 lines.

a. Natal. From M. Gueinzius' collection.

#### HYPENA SUBAPICALIS.

Fœm. *Fusca; corpus subtus album; fasciculus frontalis productus; thorax cinereo-conspersus; alæ antice latiusculæ, nigro subconspersæ, linea postica arcuata, maculis duabus lineaque exteriore vix undulata nigris, fascia adhuc exteriore maculaque subapicali albida, linea submarginali cinerea angulosa, margine exteriore postico subobliquo; postice obscure cinereæ.*

*Female.* Brown. Body white beneath. Frontal tuft prominent. Thorax cinereous-speckled. Legs slender, cinereous beneath; tips of the tarsal joints whitish. Fore wings acute, rather broad, thinly black-speckled; a black curved line near the base extending from the interior border to the disk, where it approaches a black spot; the latter has on its outer side another black spot, which represents the reniform; a hardly undulating black line beyond the reniform, bordered with cinereous on its inner side and on its outer side by a narrow whitish band; submarginal line cinereous, zigzag, terminating in a whitish costal subapical spot; marginal points black, each connected with a cinereous point; three white points on the exterior part of the costa; exterior border slightly oblique hindward. Hind wings dark cinereous. Length of the body 7 lines; of the wings 18 lines.

Closely allied to *H. Molpusalis*.

a. Ceylon. From Mr. Stevens' collection.

## HYPENA LIGNEALIS.

**Fœm.** *Cinereo-cervina; fasciculus frontalis porrectus, densus; palpi porrecti, graciles, capitis latitudine multo longiores, articulo 2o supra dense fimbriato; abdomen basi cristatum; alæ antice gutta basali maculaque subcostali nigris, vitta angulata plagiisque duabus fuscis; postica cinerea.*

**Female.** Cinereous fawn-colour, or wood-colour, cinereous beneath. Frontal tuft porrect, thick. Palpi porrect, slender, very much longer than the breadth of the head; second joint thickly fringed above; third lanceolate, about one-third of the length of the second. Abdomen cinereous, crested at the base. Legs smooth, slender. Fore wings with a black basal dot; an angular brown stripe in the disk, joining a brown patch in front of it, the latter connected with a subcostal black spot; a brown patch beyond the stripe and extending to the exterior border. Hind wings cinereous. Length of the body 6 lines; of the wings 14 lines.

This species is very like *H. labatalis*, but the latter has much longer palpi.

a. Ceylon. From Mr. Stevens' collection.

## HYPENA UNDULALIS.

**Fœm.** *Cinereo-fusca; palpi graciles, subtus albidi, capitis latitudine paullo longiores; antennæ setulose; alæ antice pallide cinereæ, elongatæ, acutæ, vitta discali nigricante subflexa postice albido marginata, lineis tribus exterioribus pallide fuscis, plaga postica nigricante; postica fuscescente-cinerea.*

**Female.** Cinereous-brown, more cinereous beneath. Frontal tuft long, porrect. Palpi porrect, lanceolate, slender, whitish beneath, a little longer than the breadth of the head; third joint lanceolate, nearly half the length of the second. Antennæ setulose. Abdomen cinereous, not extending beyond the hind wings. Legs smooth, slender. Wings elongate. Fore wings pale cinereous, acute, with a blackish discal stripe, which extends from very near the base to the end of the costa; this stripe forms a slight inward angle on its fore side beyond the middle, and is slightly concave along the middle part of its hind side, which is bordered, except towards the base, by a whitish line; three pale brown lines between the whitish line and the exterior border, which is very slightly convex and rather oblique; a blackish patch near the interior angle.

Hind wings brownish cinereous. Length of the body 6 lines; of the wings 15 lines.

Allied to *H. abducalis*, from which it may be distinguished by the undulating pale line of the fore wings.

a. Hindostan. Presented by the Secretary of the India Board.

#### HYPENA EXTENSA.

**Mas.** *Obscure fusca; palpi porrecti, subfimbriati, thorace vix breviores, articulo 3o lanceolato apice cinereo; alæ anticae elongatae, purpurascente suffusæ, lineis duabus obliquis subrectis ferrugineo marginatis atomisque transversis obscurioribus.*

**Male.** Dark brown, dark cinereous beneath. Frontal tuft prominent, acute. Palpi porrect, with a short thick fringe, nearly as long as the thorax; third joint lanceolate, cinereous at the tip, nearly one-third of the length of the second. Antennæ setulose. Abdomen extending beyond the hind wings. Fore wings elongate, slightly purplish-tinged, minutely and transversely streaked with darker brown; two darker brown oblique nearly straight slightly ferruginous-bordered lines; one antemedial, the other postmedial; exterior border slightly convex, very oblique. Length of the body 7 lines; of the wings 18 lines.

Darjeeling. In Mr. Russell's collection.

#### HYPENA LONGIPENNIS.

**Mas.** *Fusca; palpi porrecti, rostriformes, corporis dimidio non breviores, articulo 3o lanceolato brevi; alæ anticae angustæ, longissimæ, nigricante conspersæ, apud costam glaucescentes, punctis nonnullis disci punctisque marginalibus nigris, margine exteriore perobliquo; posticæ obscuriores.*

**Male.** Brown, cinereous-brown beneath. Frontal tuft acute, very prominent. Palpi porrect, rostriform, about half the length of the body; third joint lanceolate, less than one-fourth of the length of the second. Antennæ pubescent. Abdomen hardly extending beyond the hind wings; apical tuft small, slightly compressed. Fore wings narrow, blackish-speckled, very long, with a glaucous tinge along the costa, with a few black points in the disk and with black marginal points; exterior border slightly convex, extremely oblique.

Hind wings darker than the fore wings. Length of the body 7 lines; of the wings 20 lines.

a. Darjeeling. From Mr. Russell's collection.

#### HYPENA SUBNOTALIS.

**Mas.** *Fusca; fasciculus frontalis porrectus, acutus; palpi capitis latitudine fere duplo longiores; antennæ setulose; alæ late, purpurascente chalybeoque suffusa; antice linea obscuriore recta subobliqua albido marginata, punctis submarginalibus et marginalibus nigris albo notatis; postica linea marginali nigra.*

**Male.** Brown, brownish cinereous beneath. Frontal tuft porrect, acute. Palpi porrect, nearly twice longer than the breadth of the head; second joint with a short thick fringe above; third lanceolate, fringed beneath, about one-fourth of the length of the second. Antennæ minutely setulose. Abdomen not extending beyond the hind wings. Legs smooth. Wings broad, not long, tinged with purplish and chalybeous. Fore wings acute; a straight darker slightly oblique line at somewhat beyond the middle, whitish-bordered on the outer side; a submarginal row of black white-marked points; marginal points black, white-marked, very minute; exterior border slightly convex, moderately oblique. Hind wings with a black marginal line. Length of the body 7 lines; of the wings 15 lines.

Allied to *H. iconicalis*, from which it may be distinguished by the white marginal points of the fore wings.

**Mysol.** In Mr. Saunders' collection.

#### HYPENA SULALIS.

**Mas.** *Ferruginea; caput nigricans, cinereo conspersum; palpi capitis latitudine multo longiores; alæ antice breviuscula, punto antemedio albo, linea alba postmedia recta subobliqua nigricante marginata, linea submarginali indistincta e punctis albidis, punctis marginalibus albis; postica fusca.*

**Male.** Ferruginous, cinereous beneath. Head and palpi blackish, cinereous-speckled; frontal tuft porrect, acute. Palpi porrect, slightly fringed above and beneath, much longer than the breadth of the head; third joint lanceolate, nearly one-third of the length of the second. Antennæ minutely pubescent. Legs smooth. Wings broad, rather short. Fore wings acute, with a straight

white slightly oblique line at somewhat beyond the middle; this line is blackish-bordered on the inner side and is diffuse on the outer side; a white point in the disk at one-third of the length, and an indistinct submarginal line of minute whitish points; marginal points white; exterior border convex, slightly oblique. Hind wings brown. Length of the body 6 lines; of the wings 13 lines.

Sula. In Mr. Saunders' collection.

#### HYPENA RUPALIS.

**Fœm.** *Purpurascente-rufa; palpi nigricantes, subangulati, capitis latitudine plus duplo longiores; alæ linea recta obliqua flavescente-cinerea ferrugineo marginata, linea submarginali e lituris nigricantibus; antice linea antemedia recta obliqua flavescente-cinerea ferrugineo marginata, orbiculari e puncto nigricante, reniformi e lunula flavescente-cinerea.*

**Female.** Purplish red, cinereous-red beneath. Palpi blackish, squamous, porrect, more than twice longer than the breadth of the head; third joint lanceolate, slightly ascending, less than half the length of the second, with which it forms a very obtuse angle. Legs smooth, slender. Wings with a straight yellowish cinereous line, which is bordered with ferruginous on the inner side, and extends from somewhat beyond the middle of the interior border of the hind wings to a little beyond three-fourths of the length of the costa of the fore wings; submarginal line represented by some small blackish marks; marginal points black; marginal line yellowish cinereous; fringe purple, except towards the base. Fore wings acute; a straight oblique yellowish cinereous line near the base, bordered on the outer side with ferruginous; orbicular mark forming a blackish point; reniform represented by a yellowish cinereous semicircle; exterior border convex, moderately oblique. Length of the body 6 lines; of the wings 15 lines.

New Guinea. In Mr. Saunders' collection.

#### HYPENA BREVIPALPIS.

**Mas.** *Fusca; palpi porrecti, subfimbriati, capitis latitudine multo breviores, articulo 3o conico; antennæ subpubescentes; alæ antice luteæ, breviuscultæ, vix purpurascentes, strigulis transversis fasciaque diffusa subobliqua obscurioribus.*

**Male.** Brown, stout, brownish cinereous beneath. Frontal tuft porrect, acute. Palpi porrect, with a very short fringe, much shorter than the breadth of the head; third joint conical, acute, less than one-fourth of the length of the second. Antennæ slender, minutely pubescent. Wings broad, rather short. Fore wings acute, with a very slight purplish tinge and with minute transverse dark brown streaks; a dark brown band, diffuse on the inner side, extending from two-thirds of the length of the costa to the middle of the interior border; four white costal points near the tip; exterior border convex, slightly oblique. Length of the body 5 lines; of the wings 12 lines.

Mysol. In Mr. Saunders' collection.

#### HYPENA FERRISCITALIS.

**Mas.** Obscure ferrugineo-fusca; fasciculus frontalis productus acutus; palpi capitis latitudine plus duplo longiores; antennæ setulosæ; alæ linea marginali triplici obscure fusca; antice nigricante strigata, purpurascente suffusa, linea ferruginea obliqua subrecta cinereo marginata; posticæ fimbria cinerea.

**Male.** Dark ferruginous-brown, cinereous-brown beneath. Frontal tuft very prominent and acute. Palpi slightly fringed, more than twice longer than the breadth of the head; third joint lanceolate, about one-sixth of the length of the second. Antennæ setulose. Abdomen and hind wings cinereous-brown. Legs smooth. Fore wings elongated, minutely and transversely blackish-streaked with a dark purplish tinge; a nearly straight ferruginous cinereous bordered line, which extends from near the costa at four-fifths of the length of the latter to a little beyond the middle of the interior border; a triple marginal dark brown line; exterior border nearly straight, slightly oblique. Hind wings with a marginal line like that of the fore wings; fringe cinereous. Length of the body 7 lines; of the wings 16 lines.

a. Moreton Bay. From Mr. Diggles collection.

b. Swan River. From Mr. Diggles' collection.

#### HYPENA CÆRULEALIS.

**Mas.** Cinereo-fusca; fasciculus frontalis longissimus, acutissimus; palpi fimbriati, capitis latitudine triplo longiores, articulo 3o brevi; alæ antice nigro conspersæ, cyaneo suffusa;

*punctis duobus subcostalibus nigris, lineola subcostali alba apicem versus dilatata, linea postmedia fusca tenui obliqua vis undulata, linea exteriore e punctis quatuor nigris, punctis marginalibus nigris minimis.*

**Male.** Cinereous-brown, pale cinereous beneath. Frontal tuft very long and acute. Palpi fringed above, about thrice longer than the breadth of the head; third joint fringed on both sides, less than one-fourth of the length of the second. Antennæ setulose. Thorax and fore wings blue-tinged, minutely black-speckled. Fore wings with two black subcostal points; a white subcostal line commencing at the first point, extending to the tip, near which it is dilated; a slender brown oblique hardly undulating line beyond the middle; a more exterior line composed of four black points; marginal points black, very minute; fringe cinereous, doubly interlined with brown, as is also that of the hind wings. Length of the body 7 lines; of the wings 14 lines.

a. Moreton Bay. From Mr. Diggles' collection.

b. Swan River. From Mr. Diggles' collection.

#### HYPENA SUBVITTALIS.

**Fœm.** *Cinereo-fusca; palpi fimbriati, capitis latitudine plus triplo longiores, articulo 3o brevi; alæ antice vitta subcostali nigra informi subinterrupta; postica subaneo-cinerea.*

**Female.** Cinereous-brown, cinereous beneath. Frontal tuft prominent. Palpi fringed above, more than thrice longer than the breadth of the head; third joint lanceolate, about one-fourth of the length of the second. Abdomen and hind wings cinereous, with a slight smoky tinge. Legs smooth. Fore wings with a black subcostal irregular and slightly interrupted stripe, which extends from a little beyond one-third of the length of the tip. Length of the body 6 lines; of the wings 14 lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### HYPENA ALBALIS.

**Mas.** *Albida; palpi porrecti, pilosissimi, capitis latitudine multo longiores; alæ antice apice subrotundatae, lituris duabus antemediis, striga costali, fasciis duabus exterioribus indeterminatis punctisque marginalibus fuscescentibus.*

**Male.** Whitish. Frontal tuft prominent, acute. Palpi porrect, very pilose, much longer than the breadth of the head. Antennæ stout, setulose. Wings cinereous beneath. Fore wings slightly

rounded at the tips, with a brownish mark near the base, with a brownish mark in the disk before the middle, with a brownish costal streak, and with two oblique irregular brownish bands, of which the second is submarginal and composed of streaks; marginal points brownish; exterior border straight, moderately oblique. Length of the body 4 lines; of the wings 9 lines.

a. Tasmania. From the Entomological Society's collection.

#### HYPENA DISPUNCTALIS.

*Fœm.* *Fusca; palpi capitis latitudine plus duplo longiores; ale antica linea cinerea obliqua abbreviata nigro marginata, fascia exteriore glauco-cinerea subarcuata nigro albidoque marginata, linea submarginalis denticulata lineolaque apicali obliqua diffusa albidis, lunulis marginalibus nigris albo marginatis.*

*Female.* Brown, brownish cinereous beneath. Frontal tuft prominent. Palpi fringed above, more than twice longer than the breadth of the head; third joint lanceolate, fringed on both sides, about one-fourth of the length of the second. Antennæ slender, very minutely setulose and pubescent. Legs smooth. Fore wings with a nearly straight cinereous line, which is abbreviated at each end and extends from one-sixth of the length of the costa to rather beyond the middle of the interior border, and is irregularly bordered with black on its inner side; an exterior glaucous-cinereous slightly outward-curved not oblique band, which is black-bordered on both sides, and is incompletely whitish-bordered on the inner side, near which there is a whitish mark; a denticulated submarginal whitish hue; a whitish diffuse oblique apical line; three whitish costal subapical points; marginal lunules black, slender, bordered with white on the inner side. Length of the body 7 lines; of the wings 17 lines.

Closely allied to *H. laceratalis*, which may be distinguished from it by the white continuous line which borders the marginal lunules of the fore wings.

a. ——?

#### Genus HORMISA, C. L. H. xvi. 74.

##### HORMISA ROTUNDALIS.

*Mas.* *Fusca; palpi graciles, arcuati, verticem longe superantes, articulo 2o subitus dense fimbriato, 3o lanceolato; antennæ setulosæ; ale antica lituris nullis, apice subrotundata, costa perparum convexa, margine exteriore convexo; posticæ obcuræ cinereæ.*

**Male.** Brown, cinereous beneath. Palpi slender, curved, much longer than the breadth of the head and rising much higher than the vertex; second joint with a short thick fringe beneath; third lanceolate, as long as the second. Antennæ slender, setulose. Abdomen cinereous, not extending beyond the hind wings; apical tuft small. Legs smooth, slender. Fore wings without markings, slightly rounded at the tips; costa very slightly convex; exterior border convex, moderately oblique. Hind wings dark cinereous. Length of the body 4 lines; of the wings 11 lines.

a. United States. Presented by E. Doubleday, Esq.

### Genus HYAMIA, C. L. H. xvi. 72.

#### HYAMIA? SUBTERMINALIS.

**Fœm.** *Cervina; palpi longi, porrecti, articulo 3o lineari 2o non breviore; alæ elongatae, albidae, semihyalinæ; anticæ subfalcatae, basi, fascia obliqua spatioque lato marginali lineolam album includente cervinis; posticæ linea postmedia fascia que marginali cervinis.*

**Female.** Fawn-colour, white beneath. Palpi porrect, slender, very much longer than the breadth of the head; second joint clothed with short hairs; third joint linear, acute, as long as the second. Legs smooth, slender. Wings elongated, whitish, iridescent, semi-hyaline; marginal points black. Fore wings acute, subfalcate, fawn-coloured at the base; an oblique fawn-coloured band and a broad fawn-coloured marginal space, which includes a short white curved line; hind part of the exterior border convex, very oblique. Hind wings with a fawn-coloured postmedial line and with a fawn-coloured marginal band. Length of the body 5? lines; of the wings 12 lines.

**Cape.** In Mr. Saunders' collection.

### Genus BOANA.

**Boana, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 110.**

#### BOANA SEMIALBA.

**semialba, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 110.**

**Brazil.**

### Genus AGANZAGARA.

*Fœm.* Corpus sat gracile. Fasciculus frontalis productus, acutus. Proboscis brevis. Palpi squamoso-pilosæ, vix ascendentæ, capitis latitudine multo longiores; articulus 2us angulatim fimbriatus; 3us lanceolatus, brevis, apice glaber. Antennæ pubescentes, sat robustæ. Abdomen alas posticas paullo superans. Pedes postici subfimbriati. Alæ anticæ acutæ, margine exteriore subobliquæ.

*Female.* Body rather slender. Frontal tuft prominent, acute. Proboscis short. Palpi with squamous hairs, hardly ascending, much longer than the breadth of the head; second joint with an angular fringe above; third lanceolate, smooth towards the tip, not more than one-fourth of the length of the second. Antennæ pubescent, rather stout. Abdomen extending a little beyond the hind wings. Legs smooth; hind femora and hind tibiæ slightly fringed; spurs long, slender. Wings moderately broad. Fore wings acute; exterior border slightly convex and oblique.

#### AGANZAGARA DISPARATALIS.

*Fœm.* Pallide ochraceo-cervina; thorax rufescens fasciatus; alæ anticæ costa marginaque exteriore subrufescens, lineis duabus rufescens albido marginatis, linea submarginali albida angulosa, strigis marginalibus albis, punctis marginalibus nigris.

*Female.* Pale ochraceous fawn-colour. Head with a reddish tinge on the vertex; under side and pectus silvery white. Thorax with a reddish band. Fore wings with a few black speckles, with a reddish tinge along the costa and along the exterior border, and with two reddish zigzag lines; first line antemedial, bordered with whitish on the inner side; second postmedial, bordered with whitish on the outer side; a submarginal zigzag whitish line; marginal points black, interrupting short longitudinal white streaks; four white costal points near the tip. Hind wings with markings much like those of the fore wings, but a little less determinate. Length of the body 6 lines; of the wings 12 lines.

a. Limas, Honduras. Presented by H. T. Stainton, Esq.

### Genus BRITHA.

*Mas.* Corpus gracile. Fasciculus frontalis productus. Palpi recti, subascendentæ, subfimbriati, capitis latitudine duplo longiores;

articulus 3us lanceolatus, 2i dimidio vix brevior. Antennæ subpectinatæ. Pedes læves, graciles; tibiæ intermediæ penicillo basali longo; calcaria longa, gracilia. Alæ antice latæ, acutæ, margine exteriore subrecto vix obliquo.

**Male.** Body slender. Frontal tuft prominent. Proboscis short. Palpi straight, slightly ascending, with a short fringe, full twice longer than the breadth of the head; third joint lanceolate, nearly half the length of the second. Antennæ slightly pectinated. Legs smooth, slender; middle tibiæ with a long penicillate tuft at the base; hind tibiæ with four long slender spurs. Wings broad, not long; fringe broad. Fore wings acute; exterior border almost straight, hardly oblique.

Nearly allied to *Hypena*, from which genus it may be distinguished by the pectinated antennæ of the male.

#### BRITHA BIGUTTATA.

**Mas.** *Cinerea, nigro conspersa; alæ linea marginali nigra, fimbria nigro trilineata; alæ antice fusco nebulosæ, lineis quatuor fuscis subobliquis, gutta discali nigra, lineis duabus submarginalibus cinereis, 1a recta, 2a angulosa, maculis submarginalibus nigris; postice obscure cinerea, striga cinerea lata longitudinali alie anticis quoad lituris simili.*

**Male.** Cinereous. Thorax and fore wings black-speckled. Wings with a black slightly festooned marginal line; fringe with three slightly undulating blackish lines at the base. Fore wings partly brown-shaded; this hue most prevalent towards the exterior border; four incomplete slightly oblique brown lines; third and fourth across the middle, approximate, including a black dot between them; two cinereous contiguous submarginal lines; first straight; second zigzag, with some black spots between it and the exterior border. Hind wings dark cinereous, except a broad longitudinal middle streak, which has markings like those of the fore wings. Length of the body 6 lines; of the wings 14 lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### Genus DERBETA.

**Mas.** Corpus sat gracile. Frons subproducta. Proboscis brevis. Palpi porrecti, læves, caput non superantes; articulus 3us brevissimus. Antennæ subpectinatæ. Abdomen alas posticas paullo superans; sexualia sat magna. Pedes læves; tibiæ anteriores

breves; tibiæ intermedie subfimbriatæ; calcaria longa, gracilia; Alæ antice elongatæ, angustæ, apice rectangulatæ, costa subconvexa, margine exteriore postico perobliquo; posticæ apice valde rotundatae.

*Male.* Body rather slender. Front prominent. Proboscis short. Palpi porrect, smooth, not extending beyond the head; third joint extremely short. Antennæ slightly pectinated. Abdomen extending a little beyond the hind wings; apical appendages rather large. Legs smooth; fore and middle tibiæ short; middle tibiæ with a thick short fringe; hind tibiæ with four long slender spurs. Wings elongate; fringe short. Fore wings narrow, rectangular at the tips; costa slightly convex; hind part of the exterior border very oblique. Hind wings moderately broad, much rounded at the tips.

Nearly allied to *Hypena*, from which it differs in the pectinated antennæ of the male.

#### DEBBETA NIGRIFIMBRIA.

*Mas.* *Saturate ochracea; abdominis segmenta cinereo-marginata; alæ linea postmedia albida nigricante marginata, fimbria nigra cinereo marginata; anticæ linea postmedia arcuata, linea antemedia albida subarcuata nigricante marginata; posticæ fuscæ, plaga magna subquadrata saturate ochracea, linea postmedia abbreviata.*

*Male.* Deep ochraceous, cinereous-brown beneath. Hind borders of the abdominal segments pale cinereous. Legs silvery cinereous. Wings with a postmedial whitish line, which is diffusely blackish-bordered on the inner side, and is curved outward in the fore wings, and occupies only the middle part of the hind wings; fringe black, cinereous-bordered. Fore wings with an antemedial whitish line, which is slightly curved outward and is diffusely blackish-bordered on the outer side. Hind wings brown, except a large subquadrate patch, which is bordered on the inner side by the line. Length of the body 6 lines; of the wings 16 lines.

*a.* Ega. From Mr. Bates' collection.

#### Genus ALINZA,

*Mas.* Corpus gracile. Fasciculus frontalis tenuis, porrectus. Proboscis brevis. Palpi porrecti, squamoso-pilosæ, capitis latitudine plus duplo longiores; articulus 3us lanceolatus, brevis. Antennæ

graciles, pubescentes, vix nodosæ. Abdomen alas posticas non superans; fasciculus apicalis parvus, subcompressus. Pedes graciles; femora tibiæque pilis longis fimbriata; tarsi antici fimbriati, apice nudi; calcaria longissima, gracillima. Alæ anticæ subfalcatae, margine exteriore obliquo subconvexo.

**Male.** Body slender. Front with a few long slender porrect hairs. Proboscis short. Palpi porrect, squamous-pilose, more than twice longer than the breadth of the head; third joint lanceolate, not more than one-fourth of the length of the second. Antennæ slender, pubescent, hardly nodose. Abdomen not extending beyond the hind wings; apical tuft small, slightly compressed. Legs slender; femora and tibiæ fringed with long hairs; fore tarsi fringed, except towards the tips; spurs very long and slender. Wings moderately broad. Fore wings subfalcate; exterior border slightly convex, moderately oblique.

#### ALINZA DISCESSALIS.

**Mas.** *Albida; palpi fusci; abdomen cervinum, segmentis albido-marginatis; pedes antici supra fusci; alæ anticæ fusco sub-conspersæ, cervino marginatæ, lineis duabus luteis subobliquis vix undulatis, punctis tribus fuscis, punctis marginalibus nigris elongatis; posticæ cinereæ, linea marginali nigricante.*

**Male.** Whitish, cinereous beneath. Palpi brown. Abdomen fawn-colour; hind borders of the segments whitish. Fore femora and fore tibiæ brown above. Fore wings thinly and minutely brown-speckled, irregularly fawn-coloured along the exterior border; two hardly undulating slightly oblique luteous lines; first line antemedial, with a brown point; second postmedial, with two brown points; costa fawn-colour; marginal points black, much elongated. Hind wings cinereous, with a blackish marginal line. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

**a. Ega.** From Mr. Bates' collection.

#### Genus RHAPSA.

**Mas.** Corpus sat robustum. Fasciculus frontalis productus, acutus. Proboscis brevis. Palpi hirsuti, late fimbriati, oblique ascendentes, verticem longe superantes; articulus 3us lanceolatus, 2i dimidio vix brevior. Antennæ pectinatæ, apice setosæ. Abdomen alas posticas perpaullo superans; fasciculus apicalis parvus, elongatus, subcompressus. Pedes vix robusti; femora fimbriata;

*calcaria longa gracilia.* Alæ antice latæ, acutæ, subelongatae, plica costali subtus penicilla dua includente.

*Male.* Body moderately stout. Frontal tuft prominent, acute. Proboscis short. Palpi hirsute, obliquely ascending, broadly fringed above to the tips, very much longer than the breadth of the head, rising much higher than the vertex; third joint lanceolate, nearly half the length of the second. Antennæ moderately pectinated, except near the tips, where they are setose. Abdomen extending very little beyond the hind wings; apical tuft small, elongate, slightly compressed. Legs hardly stout; femora fringed; spurs long, slender. Wings broad, slightly elongate. Fore wings acute, with a fold or lappet along half the length of the costa beneath; two long penicillate tufts beneath this fold; the one basal, radiating; the other decreasing in length along the fold; exterior border convex, moderately oblique; second inferior vein contiguous to the first and near the third at the base; fourth very remote from the third.

Allied to *Ceraptila* and to *Sarmatia*, from which genera it may be distinguished by the structure of the palpi.

#### RHAPSA SCOTOSIALIS.

Mas. *Cinereo-cervina; alæ antice nigricante subconspersæ, punctis basalibus nigris, gutta rufa nigro marginata, reniformi magna nigricante strigam rufescensem includente, striga exteriore undulata pallide cinerea, striga adhuc exteriore undulata pallide ochracea, lineis duabus nigricantibus angulosis fasciaque fuscescente cinereo marginata submarginalibus, macula apicali pallide cinerea, lunulis marginalibus nigris ochraceo pallido marginatis; posticæ cinereæ, lineis duabus fuscescentibus indistinctis subangulosis.*

*Male.* Cinereous fawn-colour, mostly cinereous beneath. Legs mostly brown above; tips of the tibiæ and of the joints of the tarsi cinereous. Fore wings very minutely blackish-speckled, with a few black points near the base; a red black-bordered dot representing the orbicular mark; reniform large, irregular, consisting of an irregular blackish mark which contains a reddish streak and is divided by an undulating pale cinereous streak from a more deeply undulating pale ochraceous streak; two exterior zigzag incomplete blackish lines; a more exterior brownish band, which is limited on the outer side by a pale cinereous undulating line; the latter joins

a large pale cinereous apical spot; marginal lunules black, bordered with pale ochraceous on the outer side. Hind wings cinereous, with two brownish indistinct slightly zigzag lines and with a brown marginal festoon. Length of the body 8 lines; of the wings 18—19 lines.

a. Auckland, New Zealand. Presented by Col. Bolton.

b, c. Auckland, New Zealand. From Mr. Oxley's collection.

### Genus TACHASARA.

*Fæm.* Corpus crassum. Caput pilis lateralibus longis arcuatæ. Proboscis brevissima. Palpi robusti, hirsuti, vix angulati, capitæ latitudine non breviores; articulus 2us oblique ascendens, supra apicem versus fimbriatus; 3us lanceolatus, pilosus, 2o vix brevior. Antennæ glabræ, sat graciles. Abdomen alas posticas superans. Pedes breves, validi, subtus dense fimbriati; calcaria longa, sat gracilia. Alæ anticae apice rotundatae, costa subconvexa, margine exteriore recto subobliquo.

*Female.* Body thick. Head on each side with some long slender hairs, which are curved over the eyes. Proboscis extremely short. Palpi stout, hirsute, as long as the breadth of the head; second joint obliquely ascending, with a long fringe above towards the tip; third lanceolate, slightly ascending, pilose to the tip, nearly as long as the second, with which it forms a very slight angle. Antennæ smooth, rather slender. Abdomen extending beyond the hind wings. Legs short, stout; femora and tibiæ densely fringed beneath; spurs long, rather slender. Wings moderately broad. Fore wings rounded at the tips; costa slightly convex; exterior border straight, slightly oblique.

### TACHASARA LANGUIDALIS.

*Fæm.* Cinerea; alæ anticæ fusco consperse, bis triente fusco strigatae, reniformi fusca diffusa.

*Female.* Cinereous. Fore wings minutely brown-speckled; costal space from near the base to two-thirds of the length with short transverse brown streaks; a diffuse brown spot in the disk beyond the middle representing the reniform mark. Length of the body 6 lines; of the wings 16 lines.

a. St. Domingo. From Mr. Tweedie's collection.

## Genus AGAMANA.

*Fæm.* Corpus robustum, lœve. Proboscis brevis. Palpi compressi, lœves, subdecumbentes, capitis latitudine paullo longiores; articulus 2us subarcuatus, supra convexus; 3us obtusus, brevissimus. Abdomen alas posticas vix superans. Pedes robusti, lœves; calcaria longa, sat valida. Alæ anticae latæ, elongatae, subacute, margine exteriore subobliquo.

*Female.* Body stout, smooth. Proboscis short. Palpi compressed, smooth, slightly decumbent, a little longer than the breadth of the head; second joint slightly curved, convex above; third obtuse, very short, not more than one-sixth of the length of the second. Abdomen hardly extending beyond the hind wings. Legs stout, smooth; spurs long, rather stout. Wings broad, elongate. Fore wings slightly acute; second inferior vein as near to the third as to the first; fourth not remote; exterior border slightly convex and oblique.

## AGAMANA CAVATALIS.

*Fæm.* Cinereo-cervina, subtus rufescens; alæ anticae disco paleide cinereo, plaga magna excavata, gutta antica lituraque exteriore viridi-fuscis, costa pallide rufa; posticae pallide fuscantes, dimidio basali lineaque exteriore pallide cinereis.

*Female.* Cinereous fawn-colour, reddish beneath. Tips of the tarsal joints and of the spurs pale cinereous. Fore wings reddish towards the exterior border, with a pale cinereous disk and with a large greenish brown patch, which occupies two-thirds of the length of the interior border and forms an angle in front, on the outer side of which it is much excavated; a greenish brown dot in front of the excavated part, and an irregular greenish brown mark adjoining the exterior undulating border of the pale disk; costa pale red. Hind wings pale brownish, pale cinereous on half the surface from the base, and with a pale cinereous line beyond the middle. Length of the body 6 lines; of the wings 16 lines.

a. Australia. From Mr. Strange's collection.

## Genus ALUACA.

*Fæm.* Corpus gracile. Fasciculus frontalis porrectus, acutus. Proboscis longiuscula. Palpi pilosi, subangulati, oblique ascendentes, capitis latitudine vix breviores; articulus 3us linearis, obtusus,

**2i** dimidio non brevior. Antennæ sat graciles. Abdomen alas posticas vix superans. Pedes glabri, graciles; calcaria gracilia. Alæ anticæ latæ, subacutæ, margine exteriore convexo subobliquo.

**Female.** Body slender. Frontal tuft porrect, acute. Proboscis rather long. Palpi obliquely ascending, pilose, nearly as long as the breadth of the head; third joint linear, slightly ascending, obtuse at the tip, about half the length of the second. Antennæ rather slender. Abdomen hardly extending beyond the hind wings. Legs smooth, slender; spurs slender, moderately long. Wings broad. Fore wings slightly acute; exterior border convex, slightly oblique.

#### ALUACA EUBOLIALIS.

**Fœm.** *Cinerea; alæ anticæ subglauco-canæ, nigro conspersæ, fascia angusta fusca, linea exteriore non conspersa, punctis duobus nigris adhuc exterioribus, punctis marginalibus fuscis.*

**Female.** Cinereous. Fore wings hoary, with a slight glaucous tinge, minutely black-speckled; a narrow brown band which extends from much beyond the middle of the costa to a little beyond the middle of the interior border; an exterior line without speckles, parallel to the band; two more exterior black points near the costa, one behind the other; marginal points brown. Length of the body 4 lines; of the wings 10 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### ALUACA ANAITISALIS.

**Fœm.** *Pallide cinerea; alæ linea marginali fusca interrupta; anticæ subglauco-canæ, fusco subconsperæ, non fasciatæ, orbiculari nigra punctiformi, reniformi e macula pallide ochracea.*

**Female.** Like *A. eubolialis* in colour, but paler. Wings with a slender brown interrupted marginal line. Fore wings slightly brown-speckled, with no band; orbicular mark distinguished by a black point; reniform represented by a pale ochraceous spot. Length of the body 4 lines; of the wings 10 lines.

a. St. Domingo. From Mr. Tweedie's collection.

## Genus BETHARGA.

*Mas.* Corpus robustum, cylindricum. Proboscis brevissima. Palpi graciles, oblique ascendentēs, thorace longiores; articulus 3us lanceolatus, 2i dimidio brevior. Antennæ robustæ, subpectinatae. Abdomen alas posticas longe superans; fasciculus apicalis minimus. Pedes robusti, tibiis anticis subincrassatis, tibiis posticis subpilosis, calcaribus longis validis. Alæ anticæ angustæ, longissimæ, apice rotundatæ; costa subconvexa, margine exteriore perobliquo.

*Male.* Body stout, cylindrical. Proboscis rudimentary. Palpi slender, obliquely ascending, longer than the thorax, rising very much higher than the vertex; third joint lanceolate, less than half the length of the second. Antennæ stout, minutely pectinated. Abdomen extending much beyond the hind wings; apical tuft extremely small. Legs stout; fore tibiæ slightly incrassated; hind tibiæ slightly pilose; spurs long, stout. Wings rather narrow, very long, rounded at the tips. Fore wings much longer than the hind wings; costa very slightly convex; exterior border convex, very oblique; first, second and third inferior veins approximate at the base; fourth very remote from the third.

## BETHARGA LYCOIDES.

*Mas.* Coccinea; palpi, antennæ, abdomen pedesque coccinea; abdomen apice ochraceum; alæ anticæ apices versus nigrae cinereo strigatae; posticae fascia ochracea lata postmedia.

*Male.* Crimson. Palpi, antennæ, abdomen and legs black. Abdomen ochraceous towards the tip. Fore wings with more than one-third of the surface from the tips black with cinereous longitudinal streaks; the crimson colour beyond the middle changing to ochraceous, the latter hue more prevalent on the under side. Hind wings with a broad ochraceous band beyond the middle. Length of the body 10 lines; of the wings 28 lines.

New Guinea. In Mr. Saunders' collection.

## Genus EURYPTA.

Eurypta, *Ld. Wien. Ent. Mon.* vii. 334.

## EURYPTA AURISCUTALIS.

auriscutalis, *Hb. Zutr.* f. 465, 466. *Ld. Wien. Ent. Mon.* vii. pl. 6, f. 5.

Brazil.

Fam. HERMINIDÆ, C. L. H. xvi. 85.

Genus CYCLOPTERYX, C. L. H. xvi. 90.

CYCLOPTERYX FILIFERALIS.

**Mas.** *Pallide ochracea; palpi graciles, subarcuati, oblique ascendentes, capitis latitudine duplo longiores, articulo 3o linearis apicem versus subfasciculato; antennæ setulosæ; alæ late, lineis duabus albis subrectis postice approximatis, linea submarginali indistincta e punctis fuscis; posticæ peracutæ, linea 2a apud costam retracta, striga brevi alba.*

**Male.** Pale ochraceous, ochraceous-cinereous beneath. Palpi smooth, slender, obliquely ascending, slightly curved, twice longer than the breadth of the head; third joint linear, acute, much shorter than the second, slightly tufted above towards the tip. Antennæ setulose. Abdomen not extending beyond the hind wings; apical tuft very small. Legs smooth. Wings broad, with two white, nearly straight lines, which are remote from each other on the costa of the fore wings, and are near each other on the hind part of the interior border of the hind wings; an indistinct submarginal line of brown points; marginal festoon blackish. Fore wings very acute, with a short transverse white streak between the lines; second line retracted near the costa; exterior border convex, slightly oblique. Length of the body 5 lines; of the wings 12 lines.

**a. Ega.** From Mr. Bates' collection.

Genus RIVULA, C. L. H. xvi. 92.

RIVULA VICARIALIS.

**Mas.** *Pallide cervina; palpi porrecti, late fimbriati, capitis latitudine multo breviores, articulo 3o minimo; antennæ pubescentes; alæ anticae nigro subconspersæ, lineis duabus cervinis rectis obliquis, 2a apicem versus nigro nebulosa, mucula intermedia nigrante elongata; posticæ pallidiores, linea postmedia fusca obliqua.*

**Male.** Pale fawn-colour, pale shining cinereous beneath. Palpi *porrect*, broadly fringed above and beneath, much shorter than the breadth of the head; third joint very minute. Antennæ pubescent. Abdomen extending rather beyond the hind wings; apical tuft slightly compressed. Legs smooth. Wings with black marginal points. Fore wings acute, with a few black speckles, and with a straight fawn-coloured line, which extends from the middle of the

interior border to the tip, near which it is shaded with black; an antemedial line like the line above mentioned and parallel to it, but less distinct; a blackish elongated spot between the lines; exterior border nearly straight, moderately oblique. Hind wings paler than the fore wings, with a brown postmedial line nearly parallel to the exterior border. Length of the body 5 lines; of the wings 12 lines.

a. Cape. From M. Dregé's collection.

b. South Africa. From Mr. Trimen's collection.

#### RIVULA? JUNCTURALIS.

Fœm. *Pallide subcervino-cinerea; palpi oblique ascendentibus, verticem non superantes, articulo 2o lato fimbriato, 3o brevissimo; alæ elongatae, dimidio exteriore cervino, puncto fusco, linea postmedia obliqua lineaque marginali fusco marginata pallide cinereis.*

*Female.* Wood-colour or pale cinereous with a tinge of fawn-colour. Palpi obliquely ascending, not rising higher than the vertex, much shorter than the breadth of the head; second joint broad, fringed beneath; third extremely short. Abdomen extending somewhat beyond the hind wings. Legs smooth. Wings elongate; exterior half mostly fawn-colour; a brown point in the disk and a pale cinereous oblique postmedial line; marginal line pale cinereous, brown-bordered on the inner side. Fore wings very acute; exterior border convex, rather oblique. Length of the body 3½ lines; of the wings 8 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

#### RIVULA?? OBTUSALIS.

Fœm. *Ochracea, robusta; palpi porrecti, fimbriati, capitis latitudine longiores, articulo 3o lanceolato; alæ cinereo-fusca, linea marginali nigricante; anticae lineis duabus fuscis subflexis, 2a cinereo marginata, linea submarginali cinerea angulosa indistincta; posticae basi ochraceæ.*

*Female.* Ochraceous, stout. Palpi porrect, rather longer than the breadth of the head, fringed above and beneath; third joint lanceolate, much shorter than the second. Abdomen not extending beyond the hind wings. Legs smooth. Wings broad, cinereous-brown; marginal festoon blackish. Fore wings acute, with two brown lines, which are slightly bent outward; first line antemedial; second postmedial, bordered with cinereous on the outer side; submarginal line cinereous, zigzag, indistinct; exterior border slightly

convex, moderately oblique. Hind wings ochraceous towards the base. Length of the body 4 lines; of the wings 9 lines.

a. Moreton Bay. From Mr. Diggles' collection.

Genus SOPHRONIA, C. L. H. xvi. 93.

SOPHRONIA SANTOLINÆ.

santolinæ, Stdgr. Stett. Ent. Zeit. xxiv. 1863, 270.

Spain.

SOPHRONIA? CAPENSIS.

capensis, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 110.

Cape.

SOPHRONIA CÆNEUSALIS, C. L. H. xvi. 94.

Sophronia capalis, C. L. H. xvi. 95—Bocana Linusalis, C. L. H. xvi. 184—Libisosa Telamonalis, C. L. H. xvi. 248.

Genus HERMINIA, C. L. H. xvi. 96.

HERMINIA TARSICRINALIS.

tarsicrinalis, C. L. H. xvi. 99.

a, b. Germany. From M. H.-Schäffer's collection.

HERMINIA TARSIPLUMALIS.

tarsiplumalis, C. L. H. xvi. 100.

a—c. Belgium. From M. H.-Schäffer's collection.

HERMINIA TENTACULALIS.

tentaculalis, C. L. H. xvi. 101.

a—f. Batison. From M. H.-Schäffer's collection.

HERMINIA EXTINCTALIS.

extinctalis, Zll. Lep. Caffr. 13.

South Africa.

HERMINIA BRACHIALIS.

brachialis, Zll. Lep. Caffr. 14.

Natal.

**HERMINIA INOSTENTALIS.**

*inostentalis*, Wlk. *Trans. Ent. Soc. Lond.* 3rd Ser. i. 112.  
Brazil.

**HERMINIA? FIGURALIS.**

*figuralis*, Wlk. *Trans. Ent. Soc. Lond.* 3rd Ser. i. 112.  
Brazil.

**HERMINIA CLITOSALIS.**

*Clitosalis*, C. L. H. xvi. 108.

This name may be annulled, for the species is *H. Cloniasalis*,  
C. L. H. xv. 105.

**HERMINIA DISJECTALIS.**

*Pallidissime ochracea; palpi graciles, oblique ascendentibus, capitis latitudine multo longiores, articulo 2o pubescente subarcuato, 3o lanceolato; antennae setulose; alae antice longae, angustae, puncto nigro, margine exteriore subflexo.*

Very pale ochraceous, whitish beneath. Palpi slender, obliquely ascending, much longer than the breadth of the head, rising higher than the vertex; second joint pubescent, slightly curved; third lanceolate, much shorter than the second. Antennæ slender, setulose. Legs smooth, slender; spurs long and slender. Wings long, narrow. Fore wings acute, with a black point in the disk at the end of the areolet; exterior border very slightly bent in the middle. Length of the body 5 lines; of the wings 12 lines.

a. Venezuela. From Mr. Dyson's collection.

**HERMINIA SUBROSEALIS.**

Mas. *Cinerea; palpi porrecti, capitis latitudine multo longiores, articulo 2o fimbriato, 3o lanceolato; abdomen subroseum; ale latæ, fusco conspersæ, punctis marginalibus nigricantibus; antice subfalcatae, roseo suffusaæ, lineis tribus fuscis, 1a 2aque undulatis, 2a angulata, 3a subrecta diffusa.*

*Mate.* Cinereous. Palpi porrect, slender, very much longer than the breadth of the head; second joint fringed above and beneath; third lanceolate, much shorter than the second. Antennæ setulose. Abdomen slightly rosy above, extending rather beyond

the hind wings; apical tuft very small. Legs smooth. Wings broad, brown-speckled, with blackish marginal points. Fore wings subfalcate, rosy-tinged, with three brown lines; first and second lines undulating; second forming an acute angle towards the first; third nearly straight, diffuse on the inner side; exterior border convex, moderately oblique. Length of the body 6 lines; of the wings 14 lines.

a. Natal. From M. Gueinzius' collection.

#### HERMINIA? CIRCUMFERALIS.

Fœm. *Cinerea, fusco conspersa; palpi fusi, suberecti, verticem longe superantes; anticæ fascia basali plagiisque duabus costalibus fuscis, plaga 1a albido marginata, 2a trigona, spatio intermedio subpurpurascente; posticæ fuscescente-cinereæ.*

*Female.* Cinereous, brown-speckled. Palpi mostly brown, slightly fringed, nearly erect, very much longer than the breadth of the head, rising much higher than the vertex; third joint lanceolate, much shorter than the second. Wings with a black marginal festoon. Fore wings acute, with a brown band very near the base, and with two large brown patches which join the costa; first patch bordered by a whitish line, which is undulating on the outer side; second triangular, including four whitish costal points; space between the bands with a slight pale purplish tinge. Hind wings brownish cinereous. Length of the body 6 lines; of the wings 16 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

#### HERMINIA? CINEREALIS.

Mas. *Nigricante-cinerea; palpi nigri, erecti, verticem longe superantes, articulo 2o arcuato latiusculo, 3o lanceolato gracillimo; antennæ apud medium incrassatæ, apices versus contortæ; alæ anticæ subacutæ, lineis duabus nigris denticulatis, 2a undulata, gutta intermedia punctisque marginalibus nigris; posticæ cinereæ, lunula lineisque duabus exterioribus fuscis.*

*Male.* Blackish cinereous, with a slight æneous tinge, paler beneath. Palpi black, squamous, erect, much longer than the breadth of the head and rising much higher than the vertex; second joint curved, rather broad; third lanceolate, very slender, much shorter than the second. Antennæ pubescent, slightly contorted

beyond the middle, where they are incrassated. Abdomen cinereous, extending rather beyond the hind wings; apical tuft very small. Legs smooth; anterior legs black above. Fore wings slightly acute, with two black denticulated lines; first line antemedial; second postmedial, undulating; a black intermediate dot in the disk; marginal points black; exterior border slightly convex and oblique. Hind wings cinereous, with a brown lunule and with two exterior brown lines. Length of the body 7 lines; of the wings 14 lines.

a. Moreton Bay. From Mr. Diggles' collection.

Genus BLEPTINA, C. L. H. xvi. 119.

BLEPTINA RESPONSALIS.

responsalis, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 113.

Brazil.

BLEPTINA PENICILLALIS.

penicillalis, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 113.

Brazil.

BLEPTINA INTRACTALIS.

intractalis, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 114.

Cape.

BLEPTINA? FRONTALIS.

frontalis, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 114.

Cape.

BLEPTINA ALBIBASALIS.

Mas. *Fusca, sat gracilis; fasciculus frontalis productus; palpi graciles, subarcuati, subfimbriati, verticem longissime superantes; abdominis segmenta albido marginata; alae antice latæ, subacutæ, fascia latissima obscure fusca guttas duas albas includente, linea exteriore obscuriore angulosa, linea submarginali alba denticulata interrupta; posticæ albae, linea brevi fasciaque marginali latissima fuscis.*

*Male.* Brown, rather slender, cinereous-brown beneath. Frontal tuft prominent. Palpi slender, squamous, slightly curved, slightly fringed above, rising very high above the vertex, nearly twice longer than the breadth of the head; third joint lanceolate,

nearly half the length of the second. Antennæ slender, setose. Abdomen not extending beyond the hind wings; hind borders of the segments whitish; apical tuft small. Legs smooth, slender; tips of the tibiae and of the joints of the tarsi whitish; spurs long and slender. Wings broad. Fore wings slightly acute, with a very broad dark brown band, which extends from near the base to much beyond half the length, and contains two white dots which represent the reniform mark, and is bordered on the outer side by a zigzag darker line; submarginal line white, denticulated, interrupted; marginal points black; exterior border convex, slightly oblique. Hind wings white, with a short brown line, which is nearly contiguous to a very broad brown marginal band. Length of the body 6 lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

**BLEPTINA DIRUPTALIS.**

**Mas.** *Cinerea*; palpi graciles, arcuati, verticem longissime superantes, articulo 2o apicem versus fimbriato, 3o lanceolato; femora antica penicillata; aleæ fusco conspersæ, lunulis marginalibus nigricantibus; anticae lineis quatuor fuscescentibus angulosis indistinctis, reniformi fuscescente; posticæ fuscescente-cinereæ, lineis duabus cinereis dentatis.

**Male.** Cinereous, slender. Palpi slender, squamous, curved, nearly twice longer than the breadth of the head and rising very much higher than the vertex; second joint with a long fringe above along half the length from the tip; third lanceolate, less than half the length of the second. Antennæ densely setose. Abdomen extending a little beyond the hind wings; apical tuft small, slightly compressed. Legs slender; fore femora with a long penicillate tuft. Wings brown-speckled, moderately broad; marginal lunules blackish. Fore wings acute, with four brownish zigzag indistinct lines; second line diffuse on the outer side, bordering the outer side of the brownish reniform mark; exterior border convex, moderately oblique. Hind wings brownish cinereous, with two cinereous dentate lines; the first postmedial, the second submarginal. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

Brazil. In Mr. Saunders' collection.

## BLEPTINA DIMISSALIS.

Fœm. *Obscure cervina; palpi nigricantes, squamosi, supra thoracem reflexi, articulo 2o arcuato, 3o lanceolato; pedes nigricantes, femoribus tibiisque apice flavescentibus; alæ anticæ elongatæ, apice subrotundatae, lineis tribus angulosis dimidiisque exteriore nigricantibus, lunula discali nigra, linea submarginali albida denticulata, punctis marginalibus nigris; posticæ obscure cinereæ, fuscescente marginatae.*

Female. Dark fawn-colour, dark cinereous beneath. Palpi squamous, blackish on the outer side, reflexed over the head to the fore border of the thorax; second joint much curved; third lanceolate, straight, much shorter than the second. Abdomen dark cinereous, extending much beyond the hind wings. Legs blackish, smooth; tips of the femora beneath and tips of the tibiae yellowish; spurs and tips of the tarsal joints pale cinereous. Wings elongate. Fore wings slightly rounded at the tips, blackish from a little beyond the middle to the exterior border; three zigzag blackish lines; first very near the base; second at a little beyond one-fourth of the length; third very near the blackish space; a black lunule between the second and third lines; a slender denticulated whitish line at four-fifths of the length; marginal points black; exterior border slightly convex and oblique. Hind wings dark cinereous, brownish towards the exterior border; under side with a black lunule, with a blackish exterior dentate line, and with a blackish marginal band, which includes a whitish denticulated line. Length of the body 7 lines; of the wings 16 lines.

a. Swan River. From Mr. Diggles' collection.

## BLEPTINA LATIFASCIALIS.

Fœm. *Fusca; palpi lœves, graciles, verticem longe superantes, articulo 2o arcuato, 3o lanceolato; alæ anticæ apice rotundatae, fasciis duabus latis pallide ochraceis, 1a guttam nigricantem includente, 2a marginali, punctis marginalibus fuscis elongatis; posticæ cinereæ.*

Female. Brown. Palpi smooth, slender, ascending much above the vertex; second joint curved; third lanceolate, straight, about half the length of the second. Antennæ slender. Abdomen, hind wings and under side cinereous. Fore wings rounded at the tips, with two broad pale ochraceous bands; first band antemedial, containing a blackish dot, a little paler than the second, which is mar-

ginal; marginal points brown, transversely elongated; exterior border slightly convex and oblique. Length of the body 5 lines; of the wings 12 lines.

Makian, Celebes. In Mr. Saunders' collection.

#### BLEPTINA FUNESTALIS.

**Fœm.** *Fusca, sat robusta; palpi graciles, reflexi, thoracis marginem anticum attingentes, articulo 3o lanceolato; alæ anticæ subacutæ, lineis tribus nigricantibus angulosis cinereo marginatis, lunula discali nigricante; posticæ sordide cinereæ.*

**Female.** Brown, rather stout, cinereous beneath. Palpi slender, squamous, reflexed over the head to the fore border of the thorax; third joint lanceolate, much shorter than the second. Antennæ slender. Abdomen dingy cinereous, hardly extending beyond the hind wings. Legs slender. Fore wings slightly acute, with three blackish zigzag cinereous-bordered lines; first line very near the base; a blackish lunule in the disk between the second and third lines; marginal points black; exterior border convex, hardly oblique. Hind wings dingy cinereous; under side with a dark brown lunule and with two exterior dentate brown lines. Length of the body 6 lines; of the wings 15 lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### BLEPTINA SPURCATALIS.

**Mas.** *Cana; palpi fusco conspersi, vix ascendentibus, capitib latitudine multo longiores, articulo 3o lanceolato apicem versus nigro; thorax fusco subconspersus; alæ breviusculæ, latiusculæ, fusco conspersæ; anticæ punctis costalibus, macula postmedia lunulisque marginalibus nigricantibus, macula costali subapicali fusca.*

**Male.** Hoary. Palpi squamous, brown-speckled, very slightly ascending, very much longer than the breadth of the head; third joint lanceolate, black towards the tip, about half the length of the second. Thorax slightly brown-speckled. Abdomen hardly extending beyond the hind wings; apical tuft very small. Legs stout. Wings rather broad and short, minutely brown-speckled. Fore wings acute, with blackish costal points, some of which are elongated; an irregular blackish spot in the disk beyond the middle, and a brown costal spot near the tip; marginal lunules blackish; exterior border convex, slightly oblique. Length of the body 3 lines; of the wings 9 lines.

a. ——?

## BLEPTINA? JUCUNDALIS.

**Mas.** *Læte viridis, atomis obscurioribus; palpi graciles, subarcuati, verticem superantes, articulo 3o nigro lanceolato; thorax postice cristatus, disco cervino; abdomen cinereum; alæ fimbria alba nigro guttata; antice lituris duabus basali- bus nigris, fascia postmedia latissima cupreo-fusca, lineis duabus nigris dentatis undulatis albo marginatis; postice nigricante-cinereæ, linea postmedia arcuata pallide cinerea.*

**Male.** Vivid green, with darker speckles. Body beneath and legs silvery cinereous, slightly gilded. Palpi squamous, slender, slightly curved, obliquely ascending, rising higher than the vertex, very much longer than the breadth of the head; third joint lanceolate, black except at the base, about half the length of the second. Maxillary palpi short, slender, clothed with long hairs. Antennæ slender, pubescent, slightly crenulated. Disk of the thorax fawn-colour; hind part crested. Abdomen cinereous, extending a little beyond the hind wings; apical tuft very small. Tarsi and anterior tibiae with black bands. Wings with a white shining black-dotted fringe. Fore wings slightly rounded at the tips, with a postmedial very broad cupreous-brown band, which partly includes two black white-bordered dentate undulating lines; two black marks at the base; exterior border slightly convex and oblique. Hind wings blackish cinereous, with a pale cinereous postmedial curved line. Length of the body 4 lines; of the wings 10 lines.

**a. Ceylon.** From Mr. Stevens' collection.

## BLEPTINA MINORALIS.

**Fæm.** *Alba; palpi fusco conspersi, oblique ascendentibus, capitis latitudine duplo longiores, articulo 2o fimbriato, 3o lanceolato gracillimo fasciculato; antennæ pubescentes; pedes fusco fasciati, calcaribus longissimis; alæ latiusculæ, ochraceo varie, lineis tribus fuscis subangulosis, 2a 3aque albo marginatis, linea marginali furca; antice guttis duabus discalibus nigris.*

**Female.** White. Palpi brown-speckled, obliquely ascending, twice longer than the breadth of the head, rising higher than the vertex; second joint with a rather long fringe above; third lanceolate, very slender, about half the length of the second, with a short black fringe on its middle part above. Antennæ pubescent. Abdomen not extending beyond the hind wings. Legs with brown bands; spurs very long. Wings rather broad, partly tinged with ochraceous;

three brown slightly zigzag lines; first line antemedial; second and third postmedial, bordered with white on the outer side; second retracted towards the costa of the fore wings; marginal line brown. Fore wings acute, with two black nearly contiguous dots in the disk. Length of the body 3 lines; of the wings 8 lines.

Nearly allied to *B. Omariusalis*.

a. Ceylon. Presented by Dr. Templeton.

### Genus MEGATOMIS, C. L. H. xvi. 142.

#### MEGATOMIS? FERRIGERALIS.

Fœm. *Cerrina, gracilis; palpi graciles, arcuati, verticem longe superantes, articulis 1o 2oque supra fimbriatis, 3o lanceolato; antennæ albide, nigricante annulatæ; alæ linea submarginali cinerea angulosa, lunulis marginalibus nigris; antice subacutæ, lineis tribus nigricantibus, 1a 2aque subundulatis, 3a angulosa, orbiculari indistincta, reniformi e guttis duabus nigricantibus albido marginatis; posticæ linea fusca angulosa.*

*Female.* Fawn-colour, slender, cinereous beneath. Palpi slender, curved, much longer than the breadth of the head and rising much higher than the vertex; second and third joints fringed above; third lanceolate, much shorter and more slender than the second. Antennæ whitish, slender, with blackish rings. Abdomen extending a little beyond the hind wings. Legs smooth, slender; tarsi brown, their joints with whitish tips. Wings with a cinereous zigzag submarginal line and with black marginal lunules. Fore wings slightly acute, with three blackish lines; first and second lines slightly undulating; third zigzag; orbicular and reniform marks between the second and third lines, the former indistinct, the latter represented by two blackish whitish-bordered dots, one behind the other; exterior border convex, moderately oblique. Hind wings with a brown zigzag line, which corresponds with the third line of the fore wings. Length of the body 5 lines; of the wings 11 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### MEGATOMIS? FERRILINEALIS.

Mas. *Cinerea; palpi arcuati, verticem longissime superantes, articulo 3o lanceolato fusco-bifasciato apicem versus fasciulato; alæ antice lineis duabus ferrugineis, lineis duabus exterioribus cinereis fusco viz marginatis, reniformi ferruginea magna longiorata, lituris costalibus nigricantibus;*

*posticæ subæneo-cinereæ, atomis nonnullis fuscis apud angulum interiorem.*

**Male.** Cinereous or cinereous-brown, darker beneath. Palpi slender, curved, much longer than the breadth of the head and rising very much higher than the vertex; third joint lanceolate, much shorter than the second, with a short tuft above near the tip and with two brown bands. Antennæ setose. Abdomen extending a little beyond the hind wings; apical tuft small, compressed. Legs smooth. Wings moderately broad, with blackish marginal points. Fore wings acute, with a slight lilac tinge; a black angular mark on the costa near the base; two incomplete ferruginous lines, and two exterior incomplete hardly brown-bordered cinereous lines; these four lines connected with blackish costal marks; reniform mark ferruginous, large, oblique, elongate-oval; exterior border convex, moderately oblique. Hind wings slightly tinged with æneous; some brown speckles about the interior angle. Length of the body 3 lines; of the wings 8 lines.

*a, b.* St. Domingo. From Mr. Tweedie's collection.

#### Genus MASTYGOPHORA, C. L. H. xvi. 149.

##### MASTYGOPHORA SUMATRENSIS.

**Fœm.** *Cineeo-fusca; palporum articulus 1us porrectus, 2us reflexus, 3us thoraci marginem posticum attingens; pedes lœves; alæ anticae elongatae, acutæ, fasciis duabus cinereis obliquis undulatis, plagiis duabus apud marginem interiorem et atomis nigris.*

**Female.** Cinereous-brown, more cinereous beneath. Palpi porrect; second and third joints reflexed, resting on the head and on the thorax and extending a little beyond the hind border of the latter; first joint more than twice longer than the breadth of the head; second much longer than the first; third nearly as long as the first. Legs smooth. Wings elongate; under side with three zigzag brown lines and with a brown marginal band. Fore wings acute, with two oblique undulating cinereous bands; second band marginal, accompanied along its inner side by some black speckles; two patches of black speckles on the interior border; exterior border slightly convex, rather oblique. Length of the body 8 lines; of the wings 18 lines.

Sumatra. In Mr. Saunders' collection.

Genus **LOCASTRA**, C. L. H. xvi. 158.**LOCASTRA RUDIS.**

rudis, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 115.

Hindostan.

Genus **BERTULA**, C. L. H. xvi. 162.**BERTULA EXCELSALIS.**

excelsalis, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 115.

Brazil.

**BERTULA INCONCISALIS.**

**Fœm.** *Cinerea ; palpi porrecti, capitis latitudine non breviores, articulo 2o apicem versus subfimbriato, 3o linearis ; antennæ subsetulosæ ; alæ latæ, fusco conspersæ, linea antemedia lunulisque marginalibus fuscis, linea submarginali pallide cinerea angulosa valde indistincta ; anticae subacute, puncto fasciaque exteriori subobliqua fuscis.*

**Female.** Cinereous. Body paler beneath. Frontal tuft prominent. Palpi porrect, squamous, rather slender, as long as the breadth of the head; second joint with a short fringe above towards the tip; third nearly linear, hardly acute, half the length of the second. Antennæ slender, rather long, very minutely setulose. Abdomen hardly extending beyond the hind wings. Legs smooth. Wings broad, brown-speckled, with a brown antemedial line and with brown marginal lunules, which are hardly apparent in the hind wings; a very indistinct zigzag pale cinereous submarginal line. Fore wings slightly acute, with a brown point in the disk beyond the line, and with an exterior slightly oblique brown band, which is irregular on the outer side; exterior border slightly convex and oblique. Length of the body 5 lines; of the wings 12 lines.

a. Venezuela. From Mr. Dyson's collection.

**BERTULA ? SUBCUPRALIS.**

**Fœm.** *Cinerea ; caput et thorax anticus pallide ochracea ; palpi graciles, verticem longissime superantes, articulo 2o arcuato subfimbriato, 3o lanceolato ; alæ latæ, costa subtus subochracea ; anticae acutæ, vix purpurascentes, lineis duabus undulatis antemediis, fasciis duabus plagaque marginali cupreis.*

**Female.** Cinereous, paler beneath. Head, palpi and fore part of the thorax pale ochraceous. Palpi slender, longer than the breadth of the head and rising very much higher than the vertex ; second joint curved, with a very short squamous fringe beneath ; third lanceolate, about half the length of the second. Legs smooth. Wings broad ; costa slightly ochraceous beneath ; exterior border very slightly festooned. Fore wings acute, slightly purplish-tinged ; two undulating dull cupreous lines near the base ; two bands and a marginal patch dull cupreous, each containing a short irregular black line ; first band across the middle ; second converging hindward towards the first, on approaching which it is abbreviated, separated by a cinereous black-bordered line from the patch. Length of the body 6 lines ; of the wings 14 lines.

a. Natal. From M. Gueinzius' collection.

#### BERTULA IMPARATALIS.

**Mas.** *Cinereo-fusca ; palpi supra thoracem reflexi, articulo 2o arcuato pubescente, 3o lanceolato fimbriato ; antennæ setosæ ; abdominis segmenta cinereo pallido marginata ; pedes antici dense pilosi, tibiis penicillato-fasciculatis, tarsis brevissimis ; alæ elongatæ, linea nigricante postmedia angulosa punctulari, linea cinerea submarginali angulosa indistincta ; antice per-acutæ, lineis duabus basilibus nigricantibus angulosis, 1æ indeterminata, reniformi nigra.*

**Male.** Cinereous-brown, cinereous beneath. Palpi reflexed over the head to the fore part of the thorax ; second joint curved, pubescent ; third lanceolate, fringed, much shorter than the second. Antennæ setose. Abdomen extending a little beyond the hind wings ; hind borders of the segments pale cinereous ; apical tuft very small. Fore femora and fore tibiæ densely pilose, the latter with a long penicillate tuft of hairs ; fore tarsi very short ; spurs slender, very long. Wings elongate, with a blackish postmedial zigzag line, which is indicated by points ; an indistinct submarginal cinereous zigzag line ; marginal festoon blackish ; under side with a blackish point in the disk and with three exterior blackish zigzag lines. Fore wings very acute, with a blackish zigzag line near the base and with indications of another blackish line still nearer the base ; a black spot representing the reniform mark ; exterior border convex, moderately oblique. Length of the body 6½ lines ; of the wings 15 lines.

a. Hindostan. From Archdeacon Clerk's collection.

## BERTULA DIVERSALIS.

**Fœm.** Pallide ochracea; palpi ochracei, graciles, subarcuati, verticem longissime superantes, articulo 2o subtus subfimbriato, 3o lanceolato, thorax antice et abdomen chalybæo-cinereæ, hoc basi pallide ochraceum; alæ chalybæo-cinereæ, vitta obliqua albida ochraceo varia postice ferrugineo marginata; anticæ acutæ, plaga postica alba magna nitente, lineis duabus albis nitentibus angulosis nigricante marginatis, striga postica rufescente, linea submarginali nigra postice interrupta, punctis duobus discalibus nigris, margine exteriore subflexo; posticæ striga brevi nigra, fascia ochracea valde indeterminata lineolam albam angulosam nigricante marginatam includente, linea submarginali e punctis lunulisque nigris, margine exteriore subdentato.

**Female.** Pale ochraceous, whitish and pearly beneath. Palpi ochraceous, slender, slightly curved, much longer than the breadth of the head and rising very much higher than the vertex, whitish on the inner side; second joint with a very short fringe beneath; third lanceolate, much shorter than the second. Antennæ slender. Thorax in front and abdomen above, except at the base, chalybeous-cinereous. Wings chalybeous-cinereous, with a whitish ochraceous-varied stripe, which occupies the basal part of the hind wings and decreases in breadth to the tips of the fore wings, and is bordered on the hind side by a ferruginous line. Fore wings acute, with a large shining white patch about the interior angle, and with two shining white zigzag blackish-bordered lines; first line bordering the patch; second intersecting the patch, accompanied at its hind end by a reddish streak; a submarginal black line, of which the hind part is interrupted and composed of points; two black points in the disk, one behind the other; exterior border slightly bent in the middle. Hind wings with a short black streak in the disk, and with a very incomplete and irregular ochraceous band, which contains near the interior angle a short white blackish-bordered zigzag line; submarginal line black, composed of points in front and of lunules hindward; exterior border slightly dentate. Length of the body  $5\frac{1}{2}$  lines; of the wings 14 lines.

**Ceram.** In Mr. Saunders' collection.

## Genus BOCANA, C. L. H. xvi. 170.

## BOCANA MARGINALIS.

*marginalis*, Wlk. *Trans. Ent. Soc. Lond.* 3rd Ser. i. 115.

Brazil.

## BOCANA DIGRAMMA.

Mas. *Pallide cervina; palpi oblique ascendentes, verticem superantes, articulo 2o sat lato, 3o lanceolato gracillimo; antennæ pubescentes; alæ anticæ latiusculæ, linea postmedia lineaque submarginali angulosus indeterminatis, punctis nonnullis disci punctisque marginalibus fuscis, reniformi fusca nigricante nebulosa, punctis duobus nigris; posticæ fuscescente-cinereæ.*

*Male.* Pale fawn-colour, slender. Palpi squamous, smooth, obliquely ascending, rising rather higher than the vertex, a little longer than the breadth of the head; second joint rather broad; third lanceolate, very slender, a little shorter than the second. Antennæ slender, pubescent. Legs smooth, slender. Wings rather broad. Fore wings acute, with a few brown points, and with an incomplete zigzag postmarginal brown line, which is contiguous to the outer side of the reniform mark; the latter is brown, partly blackish-clouded, and has on its inner side two black points, the one in front of the other; submarginal line brown, zigzag, very incomplete; marginal points brown; exterior border hardly convex, slightly oblique. Hind wings brownish cinereous. Length of the body 3 lines; of the wings 8 lines.

a. Ceylon. From M. Nietner's collection.

## BOCANA? ERUBESCENS.

Fæm. *Pallide ochracea; palpi oblique ascendentes, verticem longe superantes, articulo 3o lanceolato gracili; alæ anticæ fusco conspersæ, roseo sublinctæ, gutta fasciisque duabus (2a marginali) cervinis, punctis duobus basalibus, guttis duabus costalibus lineaque submarginali punctulari fuscis; posticæ albideæ, fusco late marginalæ.*

*Female.* Pale ochraceous, moderately stout. Palpi smooth, obliquely ascending, much longer than the breadth of the head, rising much higher than the vertex; third joint lanceolate, rather

shorter and much more slender than the second. Abdomen extending a little beyond the hind wings. Legs smooth. Fore wings acute, transversely brown-speckled, slightly tinged with pale rosy red, which hue is more prevalent on the under side; two incomplete fawn-coloured bands; the first postmedial, with a fawn-coloured dot on its inner side; the second marginal; two brown points near the base and two brown costal dots; a submarginal line of very minute brown points; exterior border convex, moderately oblique. Hind wings whitish, with a broad brown border; fringe rosy cinereous; under side rosy along the costa. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

#### BOCANA CONCOLORALIS.

**Fœm.** *Pallide cinereo-cervina; palpi lœves, graciles, verticem longe superantes, articulo 2o arcuato, 3o lanceolato; pedes lœves; alæ latæ, linea submarginali albida recta; anticæ subacute, margine exteriore convexo.*

**Female.** Pale cinereous fawn-colour. Palpi smooth, slender, rising high above the vertex and very much longer than the breadth of the head; second joint curved; third straight, lanceolate, much shorter than the second. Antennæ slender. Legs smooth. Wings broad, with a straight whitish submarginal line. Fore wings slightly acute; exterior border convex, moderately oblique. Length of the body 6 lines; of the wings 14 lines.

**Mysol.** In Mr. Saunders' collection.

#### BOCANA CONCISALIS.

**Mas.** *Cervina, subitus fuscescente-cinerea; palpi fusi, supra thoracem reflexi, articulo 2o arcuato, 3o lanceolato; antennæ setosa; pedes robusti, lœves; alæ linea media obliqua undulata fusca, linea submarginali recta cinerea; anticæ apice subrotundatae, linea basali subrecta puncloque exteriore fuscis.*

**Male.** Fawn-colour, brownish cinereous beneath. Palpi brown, smooth, much compressed, pale cinereous on the inner side, reflexed over the head to the fore border of the thorax; second joint curved; third lanceolate, straight, a little shorter than the second. Antennæ stout, setose. Abdomen extending a little beyond the

hind wings; apical tuft small, slightly compressed. Legs stout, smooth. Wings with a brown undulating oblique middle line, and with a straight cinereous submarginal line; marginal points brown. Fore wings slightly rounded at the tips, with a brown nearly straight line near the base, and with a brown point which represents the reniform mark; exterior border slightly convex, moderately oblique. Length of the body 7 lines; of the wings 17 lines.

Aru. In Mr. Saunders' collection.

#### BOCANA ROBUSTALIS.

**Mas.** *Cervina, crassa; palpi lœves, supra thoracem reflexi, articulo 2o arcuato, 3o lanceolato; antennæ lœves, basi tumidae subcontorta; abdomen lanceolatum, alas posticas longe superans, fasciculo apicali compresso; pedes breves, robusti, femoribus posticis fimbriatis; alæ elongatae, linea submarginali subrecta pallide cinerea; anticæ acutæ, lineis duabus fuscis indistinctis, 1a subrecta, 2a undulata, lunula intermedia fusca; posticæ cinereæ.*

**Male.** Fawn-colour, smooth, thick. Palpi smooth, much compressed, reflexed over the fore part of the thorax; second joint curved; third lanceolate, straight, shorter than the second. Antennæ smooth, tumid and slightly contorted near the base. Abdomen tapering from the base to the tip, extending much beyond the hind wings; apical tuft compressed. Legs short, smooth, stout; fore legs blackish above; hind femora fringed. Wings elongate, with a pale cinereous nearly straight submarginal line. Fore wings acute, with two indistinct brown lines; first line antemedial, nearly straight; second postmedial, undulating; a distinct brown intermediate lunule; exterior border almost straight, moderately oblique. Hind wings cinereous. Length of the body 8 lines; of the wings 16 lines.

Morty. In Mr. Saunders' collection.

#### BOCANA INCONCINNALIS.

**Fœm.** *Cinerea; palpi oblique ascendentæ, extus fuscescentes, verticem superantes, articulo 3o lanceolato; antennæ setulosaæ; pedes robusti; alæ latæ, fascia postmedia lata nigricante, punctis marginalibus nigris; anticæ lineis duabus angulosis lineaque exteriore strigam emittente nigris.*

**Female.** Cinereous, somewhat dingy beneath. Palpi obliquely ascending, brownish on the outer side, rising higher than the vertex, a little longer than the breadth of the head; second joint squamous; third lanceolate, hardly half the length of the second. Antennæ slender, minutely setulose. Abdomen hardly extending beyond the hind wings. Legs stout, smooth. Wings broad, with a broad blackish postmedial band, which is undulating along its outer side in the fore wings, and in the hind wings extends to the exterior border; marginal points black. Fore wings acute, with two black zigzag lines near the base, and with a third black line which borders the inner side of the band and emits a streak into the latter; exterior border convex, moderately oblique. Length of the body  $5\frac{1}{2}$  lines; of the wings 13 lines.

Ceram. In Mr. Saunders' collection.

#### BOCANA ARMATALIS.

**Fœm.** *Cinerea; fasciculus frontalis oblique ascendens; pulpi erecti, supra fimbriati, verticem longissime superantes, nigro conspersi, articulo 3o lanceolato; antennæ gracillimæ, sub-setulosæ; alæ antice latæ, fuscescente marginatæ, lineis duabus valde undulatis lineaque submarginali subarcuata albo marginata fuscis.*

**Female.** Cinereous. Frontal tuft prominent, obliquely ascending. Palpi erect, fringed above, twice longer than the breadth of the head, rising very high above the vertex; second joint twice the length of the third; third lanceolate, its fringe more speckled with black than that of the second. Antennæ very slender, minutely setulose. Legs smooth. Wings broad. Fore wings acute, brownish towards the exterior border; two very undulating brown lines; one antemedial, the other postmedial; a very slightly curved brown submarginal line, which is bordered with white on the outer side and joins the tip and the interior angle; exterior border slightly convex, rather oblique. Length of the body 6 lines; of the wings 16 lines.

• a. Moreton Bay. From Mr. Diggles' collection.

## Genus ORTHAGA, C. L. H. xvi. 191.

## ORTHAGA EUADRUSALIS, C. L. H. xvi. 191.

Var.? Mas. *Sordide cinerea; palpi laeves, graciles, arcuati, verticem non superantes, articulo 3o lanceolato; antennae breviusculæ, sat robustæ, dense setosæ; pedes robusti; alæ antice subacutæ, fuscō consperkæ, striga lata basali plaque exteriore fuscis costalibus, spatio medio costam versus pallide rufescente, linea submarginali cinerea angulosa; postice cinereo-fuscæ.*

*Male.* Dingy cinereous, stout. Palpi smooth, slender, curved, applied to the head, not rising higher than the vertex; third joint lanceolate, much shorter than the second. Antennæ densely setose, rather short and stout. Abdomen hardly extending beyond the hind wings; apical tuft very small. Legs stout, smooth. Fore wings slightly acute, brown-speckled, with a broad brown streak along the basal part of the costa, and with a large brown patch which occupies the exterior part of the costa and the fore half of the exterior border; a cinereous zigzag line intersecting the patch near the inner border of the latter; middle part pale reddish towards the costa; marginal points dark brown. Hind wings cinereous-brown, with an æneous tinge. Length of the body  $5\frac{1}{2}$  lines; of the wings 14 lines.

a. Hindostan. Presented by the Secretary of the India Board.

## Genus GIZAMA, C. L. H. xvi. 192.

## GIZAMA ANTICALIS.

anticalis, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 116.

Brazil.

## Genus GABRISA.

Neviasca, C. L. H. xvi. 199. (*Nomen bis lectum*).

## GABRISA TESPISALIS.

Neviasca Tespialis, C. L. H. xvi. 200.

## Genus CATADA, C. L. H. xvi. 209.

## CATADA? DETERSALIS.

**Fœm.** *Albido-cinerea; caput et thorax anticus obscure cinerea; palpi graciles, oblique ascendentes, verticem superantes, articulo 3o lanceolato; alæ latæ, costa subitus rufescente; anticæ fusco subconspersæ, fasciis duabus pallide roseis, 1a obliqua, punctis duabus discalibus punctisque marginalibus nigris; postice atomis marginalibus fuscis.*

**Female.** Whitish cinereous. Head, palpi and fore part of the thorax dark cinereous. Palpi smooth, slender, obliquely ascending, rising higher than the vertex, as long as the breadth of the head; third joint lanceolate, a little shorter than the second. Antennæ slender. Abdomen extending a little beyond the hind wings. Legs smooth, slender. Wings broad; under side reddish along the costa. Fore wings acute, thinly brown-speckled, with two pale rosy bands; first band oblique, extending from the end of the costa to a little before the middle of the interior border; two black points in the disk, representing the reniform mark, one behind the other; marginal points black; exterior border slightly convex, moderately oblique. Hind wings thinly speckled with brown along the exterior border and along the interior border. Length of the body 4 lines; of the wings 9 lines.

a. Moreton Bay. From Mr. Diggles' collection.

## Genus CHUSARIS, C. L. H. xvi. 215.

## CHUSARIS? PUNCTILINEALIS.

**Mas.** *Pallide flavescente-cinerea; palpi erecti, verticem longe superantes, articulo 2o fimbriato, 3o lanceolato; abdomen cervinum; alæ latæ, lineis duabus cervinis angulosis, fasciis duabus cervinis exterioribus interruptis, 1a lineam angulosam e punctis albis includente, 2a marginali, reniformi e punctis duobus nigris albido marginatis.*

**Male.** Pale yellowish cinereous, cinereous beneath. Palpi erect, a little longer than the breadth of the head, rising much higher than the vertex; second joint fringed above; third lanceolate, less than half the length of the second. Antennæ setose, pubescent. Abdomen fawn-colour, extending rather beyond the hind wings. Legs smooth. Wings broad, with two zigzag fawn-coloured lines,

and with two exterior irregular and incomplete fawn-coloured bands; first line incomplete; second contiguous to the reniform mark, which is composed of two black whitish-bordered points; first band containing a zigzag line of white points; second marginal; marginal points blackish; exterior border slightly convex, moderately oblique. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

a. Ceylon. Presented by Dr. Templeton.

#### CHUSABIS? MACULALIS.

*Mas. Murina; palpi porrecti, capitis latitudine paullo longiores, articulo 2o late fimbriato, 3o lanceolato; antennæ glabrae, robustæ; alæ latæ, lineis duabus fuscis subundulatis, puncto intermedio nigricante, punctis marginalibus nigris elongatis; anticæ apice rectangulæ, reniformi e striga cinerea.*

*Male.* Mouse-colour, a little paler beneath. Palpi porrect, a little longer than the breadth of the head; second joint broadly fringed above, third lanceolate, about one-fourth of the length of the second. Antennæ stout, smooth. Abdomen hardly extending beyond the hind wings; apical tuft extremely small. Legs smooth. Wings broad, with two slightly undulating brown lines, between which there is a blackish point in the disk; marginal points black, elongated. Fore wings rectangular at the tips, with a small dark cinereous streak, which represents the reniform mark; costa with white points; exterior border convex, hardly oblique. Length of the body 3 lines; of the wings 8 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

#### Genus CORGATHA, C. L. H. xvi. 215.

##### CORGATHA? VEXATALIS.

*Mas. Sordide ochraceo-cinerea; palpi graciles, oblique ascendentes, verticem paullo superantes, articulo 3o lanceolato; abdомinis fasciculus apicalis subcompressus; alæ elongatae, fuscо conspersae, fascia lata pallida lineas duas fuscas undulatas includente, linea marginali fusca interrupta; anticæ subacutæ, reniformi parva obscure fusca.*

*Male.* Dingy ochraceous-cinereous, slender. Palpi smooth, slender, obliquely ascending, rising a little higher than the vertex; third joint lanceolate, about one-fourth of the length of the second. Abdomen extending a little beyond the hind wings; apical tuft

slightly compressed. Legs smooth, slender. Wings elongate, brown-speckled, with a broad paler band which includes two undulating brown lines; marginal line brown, interrupted between the veins. Fore wings slightly acute; reniform mark small, dark brown; exterior border convex, moderately oblique. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

a. South Africa. Presented by Sir A. Smith.

Genus EGNASIA, C. L. H. xvi. 216.

EGNASIA CURTALIS.

Mas. *Ochraceo-cinerea, robusta; palpi pubescentes, oblique ascendentibus, verticem longe superantes, articulo 3o linearis; antennae setosae; pedes breviusculi; alae breviusculae, punctis nigricantibus submarginalibus diffusis; antice linea basali arcuata angulosa lineaque submarginali dentata fuscis, lineis duabus postmediis nigricantibus subundulatis apud costam retractis, margine exteriore subflexo; posticæ linea basali subangulosa, puncto lineaque exteriore duplicata diffusa vix undulata nigricantibus.*

Male. Ochraceous-cinereous, stout. Frontal tuft porrect, acute. Palpi pubescent, obliquely ascending, much longer than the breadth of the head and rising much higher than the vertex; third joint linear, conical at the tip, much shorter and more slender than the second. Antennæ stout, setose. Abdomen extending rather beyond the hind wings; apical tuft small. Legs stout, smooth, rather short. Wings rather short, with blackish diffuse submarginal points and with a blackish marginal festoon. Fore wings acute, with a brown outward-curving zigzag line near the base, and with two blackish oblique slightly undulating postmedial lines, which are much retracted towards the costa; submarginal line brown, dentate; exterior border slightly bent in the middle. Hind wings with a blackish slightly zigzag line near the base, with a blackish point in the disk and with an exterior double diffuse blackish hardly undulating line. Length of the body 6 lines; of the wings 13 lines.

a—c. Shanghai. From the Entomological Society's collection.

## EGNASIA CINGALENSIS.

**Fœm.** *Cinereo-fusca ; palpi erecti, verticem longe superantes, articulo 3o lanceolato ; alæ latæ, vix purpurascentes, lineis tribus vagis angulosis lineaque marginandi fuscis, fimbria cervina, margine exteriore subangulato ; anticæ striga discali nigricante, plaga subapicali fusca interrupta ; posticæ fascia cervina antice abbreviata, puncto discali nigricante.*

**Female.** Cinnereous - brown, ochraceous - cinnereous beneath. Palpi erect, pubescent, rising much higher than the vertex ; third joint lanceolate, a little more than half the length of the second. Abdomen not extending beyond the hind wings. Legs smooth. Wings broad, with a very slight purplish tinge, and with three irregular zigzag brown lines ; marginal line brown ; fringe fawn-colour ; exterior border festooned, slightly angular in the middle. Fore wings acute, with a brown interrupted costal patch near the tip ; a blackish streak in the disk, dilated at each end. Hind wings with a blackish point in the disk ; a fawn-coloured band between the second and third lines, obsolete towards the costa. Length of the body 4 lines ; of the wings 11 lines.

a. Ceylon. Presented by Dr. Templeton.

## EGNASIA ALBIDALIS.

**Mas.** *Albida, ochraceo pallido ex parte suffusa ; palpi graciles, verticem longe superantes, articulo 3o lineariter gracillimo ; antennæ setulosæ ; alæ latæ, linea exteriore fusca duplicata, linea adhuc exteriore nigricante, angulosa, punctis submarginalibus nigris ; anticæ subfalcatae, punctis duobus discalibus nigricantibus, plaga basali fusca, margine exteriore angulata ; posticæ puncto discali nigricante, margine exteriore costam versus angulato.*

**Male.** Whitish, partly and slightly tinged with pale ochraceous, shining and pearly beneath. Palpi much longer than the breadth of the head and rising much higher than the vertex ; second joint slender, squamous ; third linear, very slender, much shorter than the second. Antennæ slender, setulose. Abdomen extending a little beyond the hind wings ; apical tuft very small. Legs long, smooth, slender ; spurs very long and slender. Wings broad, with a blackish point in the disk, and with an exterior brown straight

oblique double line, which is retracted towards the costa of the fore wings; a more exterior zigzag blackish line; submarginal points black. Fore wings acutely subfalcate, with a blackish point on the inner side of the first point; a brown basal patch; exterior border angular in the middle. Hind wings with the exterior border angular near the costa. Length of the body  $7\frac{1}{2}$  lines; of the wings 18 lines.

**Ceram.** In Mr. Saunders' collection.

**EGNASIA? REDUPPLICALIS.**

**Fœm.** *Testaceo-cinerea, robusta; palpi graciles, vix ascendentibus, capitibus latitudine fere duplo longiores, articulis 2o 3oque apice nigricantibus, 2o supra subfimbriato, 3o lanceolato; alæ elongatae, fascia obliqua fusca, lineis quinque nigricantibus, punctis submarginalibus nigris albo notatis, fimbria fusco bilineata, margine exteriore vix flexo; anticae subfalcatae, lineis 1a 4am angulosis, 5a undulata, linea basali angulosa annulaque nigricantibus, lituris duabus postmediis obscure rufescentibus; posticæ lineis 1a 4am rectis, 5a diffusa subrecta subduplicata.*

**Female.** Testaceous-cinereous, stout. Palpi slender, hardly ascending, nearly twice longer than the breadth of the head; second and third joints blackish at the tips; second slightly fringed above; third lanceolate, full half the length of the second. Legs smooth, slender. Wings elongate, with a brown band, which extends from the tips of the fore wings to a little beyond the middle of the interior border of the hind wings and is accompanied by four blackish lines, one on its inner side, the other on its outer side, and two included in it; a more exterior blackish line; submarginal points black, white-marked; fringe doubly interlined with brown; exterior border very slightly bent in the middle. Fore wings subfalcate; first, second, third and fourth lines more or less zigzag; fifth undulating; a blackish zigzag line between the base and the orbicular mark, which forms a blackish ringlet; a few small blackish marks on the inner side of the band and two dark reddish marks nearer the tip. Hind wings with the first, second, third and fourth lines straight; a black point on the first line; fifth line diffuse, nearly straight, incompletely double. Length of the body 6 lines; of the wings 14 lines.

**a. Hindostan.** From Archdeacon Clerk's collection.

## Genus ECREGMA, C. L. H. vi. 251.

## ECREGMA? PALPALIS.

*Mas.* *Cinereo-fusca*; *palpi nigri, porrecti, capitis latitudine multo longiores, ochraceo vittati; alæ æneo-purpureoque nitentes; anticæ lineis duobus pallide cinereis, 1a angulosa, 2a flexa apud costam dilatata, linea intermedia nigricante angulosa, striga brevi nigra; posticæ lineis duabus nigris arcuatæ, linea cinerea submarginali subangulosa.*

*Male.* Cinereous-brown, cinereous beneath. Palpi black, porrect, squamous, rather stout, much longer than the breadth of the head, striped with bright ochraceous on the outer side; second joint cinereous towards the base on the inner side. Antennæ setose. Abdomen extending rather beyond the hind wings; apical tuft moderately large. Legs smooth. Wings broad, with æneous and purplish reflections; marginal festoon dark brown; fringe cinereous. Fore wings acute, with two pale cinereous lines; first line zigzag; second much bent outward, dilated near the costa; an intermediate zigzag blackish line, on the outer side of which there is a short transverse black streak; exterior border convex, slightly oblique. Hind wings with two black curved lines, and with a submarginal slightly zigzag cinereous line. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

a. ——?

## Genus BONONIA.

*Bononia*, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 111.

## BONONIA NIVEILINEA.

*niveilinea*, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 111.

Brazil.

## Genus CRYMONA.

*Crymona*, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 117.

## CRYMONA RECEPTALIS.

*receptalis*, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 117.

Brazil.

## Genus BOLICA.

*Bolica*, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 117.*

## BOLICA ARMATA.

*armata*, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 118.*

Brazil.

## Genus SORYGAZA.

*Mas.* Corpus vix robustum. Fasciculus frontalis productus. Palpi longi, compressi, subascendentes; articulus 2us fimbriatus; 3us lanceolatus. Antennæ graciles, subsetulosæ. Pedes lœves, sat validi; calcaria longissima. Alæ antice elongatæ, acutæ, margine exteriore flexo.

*Male.* Body hardly stout. Frontal tuft prominent. Palpi compressed, slightly ascending, very much longer than the breadth of the head; second joint fringed; third lanceolate, about half the length of the second. Antennæ slender, minutely setulose. Abdomen hardly extending beyond the hind wings. Legs smooth, rather stout; hind tibiae with four very long spurs. Wings elongate. Fore wings acute; costa straight; exterior border forming a rounded angle in the middle, slightly concave in front, straight and extremely oblique hindward. Hind wings forming an acute angle behind the tips, which are obliquely truncated; exterior border straight and slightly truncated hindward.

## SORYGAZA DIDYMATA.

*Mas.* Albido-testacea; alæ fusco conspersæ, fascia informi cervina, linea exteriora alba undulata, fascia submarginali cervina incompleta indistincta, linea adhuc exteriora tenui fuscescente fusco punctata; antice striga submarginali fusca; postice guttis duabus discalibus nigricantibus.

*Male.* Whitish testaceous. Wings minutely brown-speckled, with an irregular oblique fawn-coloured band, which is mostly bounded on the outer side by an undulating white line; a diffuse incomplete and indistinct fawn-coloured submarginal band, beyond which there is a slender festooned brownish submarginal line, which is accompanied by dark brown points. Fore wings with a brown streak, which extends from the submarginal line to the angle of the

exterior border. Hind wings with two small blackish discal dots. Length of the body 5 lines; of the wings 14 lines.

Venezuela. In Mr. Saunders collection.

### Genus ARADRAPHA.

*Mas.* Corpus robustum. Proboscis brevissima. Palpi validi, squamosi, lanceolati, subdecumbentes, capitibus latitudine non breviiores; articulus 3us 2i dimidio non longior. Antennæ breves, dense setosæ. Abdomen alas posticas sat superans; fasciculus apicalis minimus. Pedes validi, squamosi; calcaria longissima. Alæ anticae latæ, subacutæ, margine exteriore subrecto.

*Male.* Body stout. Proboscis very short. Palpi stout, squamous, lanceolate, slightly decumbent, as long as the breadth of the head; third joint about half the length of the second. Antennæ short, densely setose. Abdomen extending rather beyond the hind wings; apical tuft very small. Legs stout, squamous; spurs very long. Wings broad. Fore wings slightly acute; exterior border almost straight, moderately oblique.

### ARADRAPHA PARTITALIS.

*Mas.* Cinerea; alæ punctis marginalibus nigricantibus; anticæ fuscæ, lineis duabus pallide cinereis subobliquis fere rectis, orbiculari et reniformi e guttis duabus nigris, linea submarginali angulosa pallide cinerea.

*Male.* Cinereous. Wings with blackish marginal points. Fore wings brown, with two pale cinereous nearly straight slightly oblique lines; first line antemedial; second postmedial; two black dots between the lines representing the orbicular and reniform marks; submarginal line pale cinereous, zigzag. Length of the body 3 lines; of the wings 7 lines.

a. Natal. From M. Gueinzius' collection.

### Genus LAMBANA.

*Mas.* Corpus gracile. Fasciculus frontalis productus, obtusus. Proboscis brevis. Palpi densissime fasciculati, oblique ascendentibus, verticem non superantes; articulus 3us brevissimus. Antennæ validæ, glabriæ. Abdomen lanceolatum, alas posticas longe superans; fasciculus apicalis parvus, subcompressus. Pedes lœves,

**graciles ; calcaria longa, gracilia. Alæ elongatæ, sat angustæ ; anticæ falcatæ, acutæ, margine exteriore subflexo.**

**Male.** Body slender. Frontal tuft prominent, obtuse. Proboscis short. Palpi obliquely ascending, not rising higher than the vertex; most densely tufted along the whole length beneath; third joint very short. Antennæ stout, smooth. Abdomen lanceolate, extending much beyond the hind wings; apical tuft small, slightly compressed. Legs smooth, slender; spurs long, slender. Wings elongate, rather narrow. Fore wings falcate, acute; exterior border slightly bent in the middle, its hind part very oblique; third inferior vein remote from the first and second, which are connected at the base; fourth remote from the third.

#### LAMBANA CUCULLATALIS.

**Mas.** *Subcervino-cinerea ; alæ anticæ vitta costali cervina, strigis nonnullis costalibus obliquis pallide cinereis, lineis duabus cervinis obliquis subrectis, puncto apicali guttaque apud angulum interiorem nigris.*

**Male.** Cinereous, with a tinge of fawn-colour. Fore wings with a fawn-coloured costal stripe, which is diffuse towards the disk, and with some slender oblique pale cinereous costal streaks; two slender oblique nearly straight fawn-coloured lines; a black apical point and a black dot on the interior angle. Length of the body 4 lines; of the wings 9 lines.

**a. Ega.** From Mr. Bates' collection.

#### Genus ARXAMA.

**Fæm.** Corpus sat robustum. Proboscis nulla. Palpi arcuati, graciles, verticem superantes; artculus 2us subfimbriatus; 3us lanceolatus, 2o vix brevior. Palpi maxillares porrecti, graciles, lanceolati, breves. Antennæ robustæ. Abdomen alas posticas paullo superans. Pedes glabri, sat validi; calcaria longa. Alæ anticæ latæ, acutæ, margine exteriore convexo subobliquo.

**Female.** Body rather stout. Proboscis obsolete. Palpi curved, slender, rising higher than the vertex, very much longer than the breadth of the head; second joint with a very short fringe beneath; third lanceolate, nearly as long as the first. Maxillary palpi porrect, slender, lanceolate, about one-third of the length of the labial palpi. Antennæ stout. Abdomen extending a little

beyond the hind wings. Legs smooth, rather stout; spurs long. Wings broad. Fore wings acute; exterior border convex, very slightly oblique.

#### *ARXAMA SUBCERVINALIS.*

Fœm. *Pallide ochracea; alæ linea postmedia dentata lineaque submarginali fuscis; anticeæ lineis duabus mediis fuscis angulosis indeterminatis; posticeæ albidae, ochraceo pallido marginatae.*

Female. Pale ochraceous, mostly whitish beneath. Wings with a dentate brown line at somewhat beyond three-fourths of the length, and with a submarginal brown line, which is parallel to the exterior border. Fore wings with two indistinct and incomplete brown zigzag lines across the middle; exterior border convex, very slightly oblique. Hind wings whitish, pale ochraceous towards the exterior border. Length of the body 7 lines; of the wings 16 lines.

Ceram. In Mr. Saunders' collection.

#### Genss CHABORA.

*Mas.* Corpus sat robustum. Proboscis brevis. Palpi porrecti, capitis latitudine paullo longiores; articulus 2us fimbriatus; 3us lanceolatus, 2o multo brevior et gracilior. Antennæ pubescentes. Thorax crassus. Abdomen lanceolatum, alas posticas longe superans; fasciculus apicalis elongatus. Pedes glabri, graciles; calcaria longa, gracilia. Alæ elongatæ, sat angustæ, margine exteriore postico inciso; anticeæ acutæ, subfalcatae.

*Male.* Body rather stout. Head closely applied to the thorax. Proboscis short. Palpi porrect, a little longer than the breadth of the head; second joint with a short thick fringe above and beneath; third lanceolate, much shorter and more slender than the second. Antennæ minutely pubescent. Thorax thick. Abdomen tapering, much more slender than the thorax, extending far beyond the hind wings; apical tuft elongate. Legs smooth, slender; spurs long and slender. Wings elongate, rather narrow, with a large notch near the hind end of the exterior border. Fore wings subfalcate, acute; hind part of the exterior border much rounded; first inferior vein rather remote from the second, which is equally remote from the third. Hind wings somewhat truncate about the tips.

Allied to *Megatomis*.

## CHABORA TAURALIS.

**Mas.** *Subcervino-cinerea; caput et thorax ochracea; abdomen pallide ochraceum; alæ anticæ lineis duabus cervinis, 1a angulata, 2a abbreviata, fasciis duabus cervinis indeterminatis postice connexis, gutta intermedia nigra; posticæ cervino marginalæ.*

**Male.** Cinereous, with a slight tinge of fawn-colour. Head, thorax and palpi ochraceous, the latter cinereous on the inner side. Abdomen pale ochraceous. Fore wings with two fawn-coloured lines; first line near the base, forming a slight outward angle; second incomplete, between two irregular and incomplete fawn-coloured bands, which are connected near the interior angle; a black dot in the disk adjoining the outer side of the first band; three white costal points near the tip. Hind wings with a fawn-coloured tinge at the tips and along the exterior border. Length of the body 6 lines; of the wings 14 lines.

a. St. Domingo. From Mr. Tweedie's collection.

## Genus TENDARBA.

**Mas.** Corpus sat gracile. Fasciculus frontalis subproductus. Proboscis nulla. Palpi lœves, graciles, oblique ascendentes, vertex paullo superantes; articulus 3us lanceolatus, 2o valde brevior. Antennæ setosæ. Abdomen alas posticas paullo superans; fasciculus apicalis minimus. Pedes pubescentes, sat robusti. Alæ anticæ latæ, acutæ, costa basi convessa, margine exteriore vix obliqua.

**Male.** Body rather slender. Frontal tuft slightly prominent. Proboscis obsolete. Palpi slender, smooth, obliquely ascending, rising a little higher than the vertex; third joint lanceolate, much shorter than the second. Antennæ setose; bristles short, very slender. Abdomen extending a little beyond the hind wings; apical tuft very small. Legs pubescent, rather stout; spurs moderately long. Wings broad. Fore wings acute; costa rounded towards the base; exterior border very slightly convex, hardly oblique; third inferior vein very near the second; fourth not remote from the third.

The structure of the palpi will distinguish this genus from *Cyclopteryx*.

## TENDARBA LINEOSA.

**Mas.** *Ochraceo-cervina; alæ anticæ lineis tribus albis nitentibus, 1a 2aque flexis, 2a interrupta, 3a brevi recta, subtus purpurascente-rufæ; posticæ rufescente-cinereæ.*

**Male.** Ochraceous fawn-colour, yellowish cinereous beneath. Abdomen fawn-colour. Fore wings with three shining white lines; first and second lines bent towards the costa; first slightly bent, extending from the base nearly to the interior angle; second more bent than the first, interrupted in the middle, extending from near the base to near the exterior border; third short, straight, in front of the exterior part of the second; under side mostly purplish red. Hind wings reddish cinereous. Length of the body 6 lines; of the wings 16 lines.

a. Rio Janeiro. From Mr. Lamb's collection.

## Genus MAGUDA.

**Fœm.** Corpus sat gracile. Proboscis brevis. Palpi graciles, oblique ascendentibus, subtus subfimbriati, verticem longe superantes; articulus 3us lanceolatus, 2i dimidio brevior. Antennæ graciles, breviusculæ. Abdomen alas posticas paullo superans. Pedes lèves, sat validi; calcaria longa, gracilia. Alæ anticæ breviusculæ, latiusculæ, apice rectangulatae, margine exteriore subflexo.

**Female.** Body rather slender. Proboscis short. Palpi slender, obliquely ascending, slightly fringed beneath, longer than the breadth of the head, rising much higher than the vertex; third joint lanceolate, less than half the length of the second. Antennæ slender, rather short. Abdomen extending a little beyond the hind wings. Legs smooth, rather stout; spurs long, slender. Wings rather broad and short. Fore wings rectangular at the tips; exterior border slightly bent opposite the third inferior vein.

## MAGUDA IMMUNDALIS.

**Fœm.** *Fusca; alæ fascia latissima cinereo-cervina nigro conspersa lineas tres nigricantes undulatus includente, linea submarginali cinerea angulosa; anticæ fascia lineolam nigram includente, lineis duabus antemediis cinereo-cervinis; posticæ atomis exterioribus cinereo-cervinis.*

**Female.** Brown, cinereous beneath. Wings with a cinereous fawn-coloured minutely black-speckled band, which contains three undulating blackish lines, and is very broad in the fore wings, and extends to the base and occupies two-thirds of the length in the hind wings; submarginal line cinereous, zigzag. Fore wings with a little transverse black line included in the band and dilated at each end; two incomplete cinereous fawn-coloured lines near the base; three cinereous costal points near the tip. Hind wings with the space beyond the band speckled with cinereous fawn-colour. Length of the body 4 lines; of the wings 10 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

#### Genus MOSOPIA.

**Mas.** Corpus robustum. Proboscis mediocris. Palpi validi, squamosi, thoracis longitudine plus duplo longiores; articulus 1us sub-ascendens; 2us subfimbriatus, supra caput reflexus, li longitudine; 3us supra thoraceum incumbens, fasciculo longo penicillato. Antennæ pubescentes, setosæ. Abdomen alas posticas non superans; fasciculus apicalis parvus, subcompressus. Pedes robusti; antici dense fimbriati; posteriores pilosi; calcaria longa, gracilia. Alæ antice latæ, acutæ, costa media fimbria dense reflexa.

**Male.** Body stout. Proboscis moderately long. Palpi stout, squamous, more than twice longer than the length of the thorax; first joint slightly ascending; second as long as the first, with a short thick fringe, horizontally reflexed and resting at its tip on the head; third resting on the thorax, with a long penicillate tuft. Antennæ pubescent, setose. Abdomen not extending beyond the hind wings; apical tuft small, slightly compressed. Legs stout; fore femora and fore tibiæ with a thick short fringe; posterior femora and tibiæ pilose; spurs long, slender. Wings broad. Fore wings acute, with a long dense reflexed fringe on the middle part of the costa; exterior border convex, slightly oblique; first, second and third inferior veins nearly contiguous at the base; fourth moderately remote. Hind wings with a long fringe on the interior border.

Most allied to *Mastygophora*.

## MOSOPIA MEGASPILA.

**Mas.** *Ferrugineo-fusca ; palpi penicillo pallide ochraceo ; alæ linea postmedia dentata cervino marginata punctisque marginatis nigris ; antica linea antemedia nigra angulosa cervino marginata, punto exteriore albo nigro-notato, macula magna antica atra albido marginata ; posticæ gutta antemedia nigra cervino marginata.*

**Male.** Ferruginous-brown. Penicillate tuft of the palpi pale ochraceous. Wings with a black dentate line at three-fourths of the length, bordered with fawn-colour; marginal points black. Fore wings with a zigzag black line near the base, which line is bordered with fawn-colour on its inner side, and has near its outer side a white black-marked point; a large round deep black whitish-bordered spot behind the costal fringe. Hind wings with a black dot, which is near the base and is bordered with fawn-colour. Length of the body 9 lines; of the wings 20 lines.

**a.** Penang. Presented by the Secretary of the India Board.

## Genus HIASPIS.

**Mas.** Corpus crassum. Fasciculus frontalis productus. Proboscis obsoleta. Palpi lanceolati, subarcuati, vertice in longe superantes; articulus 3ns 2o valde brevior et gracilior. Antennæ validæ, setulosæ, pubescentes. Abdomen alas posticas vix superans; fasciculus apicalis minimus. Pedes lœves; tibiae posticæ calcaribus quatuor longissimis. Alæ anticae breviuscule, latiusculæ, acutæ, margine exteriore recto subobliquo.

**Male.** Body thick. Frontal tuft prominent. Proboscis obsolete. Palpi lanceolate, very slightly curved, nearly erect, rising high above the vertex, much longer than the breadth of the head; third joint much shorter and more slender than the second. Antennæ stout, setulose, pubescent. Abdomen hardly extending beyond the hind wings; apical tuft very small. Legs smooth, moderately stout; hind tibiae with four very long spurs. Wings rather short and broad. Fore wings acute; costa and exterior border straight, the latter slightly oblique.

This genus may be distinguished from the typical species of *Bertula* by the structure of the palpi.

## HIASPIS CLOSTEROIDES.

**Mas.** *Cinereo-fusca; alæ anticæ ex parte canæ, lineis tribus angulosis, fascia recta obliqua, puncto discali puncisque elongatis marginalibus nigris.*

**Male.** Cinereous-brown. Tegulae of the thorax bordered with dark brown. Fore wings mostly hoary; interior, exterior and submarginal lines black, zigzag; a straight oblique black band, extending from beyond the middle of the costa to the interior angle, and traversing the submarginal line; discal point and marginal points black, the latter elongated. Length of the body 6 lines; of the wings 14 lines.

Borneo. In Mr. Saunders' collection.

## Genus VURNA.

**Fam.** Corpus robustum, laxe. Proboscis brevis. Palpi laxe, vix decumbentes, capitis latitudine multo longiores; articulus 1us angulatim fimbriatus; 2us lo brevior; 3us 2o paullo longior. Antennæ robustæ, breves. Abdomen alas posticas longe superans. Pedes breves, robusti; tibiæ posticæ fimbriatae. Alæ anticæ elongatae, apice subrotundatae, margine exteriore subconvexo.

**Female.** Body stout, smooth. Proboscis short. Palpi porrect, smooth, very slightly curved downward, much longer than the breadth of the head and extending very much beyond it; first joint with a short angular fringe above; second much shorter than the first; third a little longer than the second, conical towards the tip. Antennæ short, stout, smooth. Abdomen extending much beyond the hind wings. Legs short, stout; hind tibiæ with a short thick fringe; spurs moderately long. Wings elongate, moderately broad. Fore wings slightly rounded at the tips; exterior border slightly convex, moderately oblique; a longitudinal fold extending from the base along the hind side of the fourth inferior vein, which is hardly remote from the third.

## VURNA INSTRUCTALIS.

**Fem.** *Ferruginea; alæ punctis marginalibus nigris; anticæ fasciis duabus cinereis, 1a media lineam ferrugineam includente, 2a marginali, linea intermedia cinerea undulata nigricante marginata; posticæ cinereæ, linea fusca, fascia lata marginali æno-fusca.*

*Female.* Ferruginous. Abdomen, legs and hind wings cinereous. Wings with black marginal points. Fore wings with two irregular cinereous bands; first band across the middle, containing an incomplete ferruginous line; second marginal; an intermediate undulating cinereous line, which is blackish-bordered on the inner side. Hind wings with a brown line beyond the middle, and with a broad æneous-brown border; the line is much darker on the under side. Length of the body 7 lines; of the wings 14 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### Genus SARACA.

*Fæm.* Corpus vix robustum. Fasciculus frontalis productus. Proboscis brevis. Palpi pubescentes, oblique ascendentibus, verticem non superantes; articulus 3us lanceolatus, 2o valde brevior. Antennæ robustæ. Abdomen alas posticas sat superans. Pedes validi, glabri, breviusculi. Alæ anticae elongatae, apice rectangulatae, margine exteriore subflexo; posticæ margine exteriore vix dentato.

Allied to *Egnasia*. *Female*.—Body hardly stout. Frontal tuft prominent. Proboscis short. Palpi pubescent, moderately stout, obliquely ascending, a little longer than the breadth of the head, not rising higher than the vertex; third joint lanceolate, much shorter than the second. Antennæ stout. Abdomen extending rather beyond the hind wings. Legs stout, smooth, rather short; spurs moderately long and slender. Wings elongate. Fore wings rectangular at the tips; exterior border slightly bent in the middle. Hind wings with the exterior border very slightly festooned.

#### SARACA DISRUPTALIS.

*Fæm.* Cinereo-cervina; alæ litura angusta nigra cinereo marginata, fascia exteriore nigra obliqua diffusa; auticæ lineis duabus basalibus fuscis, plaga costali rufescente; posticæ plagiis duabus rufescensibus.

*Female.* Cinereous fawn-colour. Body pale cinereous beneath. Wings with a black narrow cinereous-bordered mark in the disk and with an exterior oblique black band, which is very diffuse on the inner side; a black marginal festoon; under side dull pale ochraceous, with a lunulate cinereous-bordered discal mark, with a zigzag cinereous exterior line, and with a bright luteous marginal band. Fore wings with two transverse brown lines near the base, with four white costal points near the tip, and with a reddish patch near the

costa on the outer side of the band. Hind wings with two reddish patches on the outer side of the band. Length of the body 6 lines; of the wings 14 lines.

a. Shanghai. From the collection of the Entomological Society.

#### Genus OROCALA.

**Mas.** Corpus sat gracile. Proboscis mediocris. Palpi robusti, squamosi, oblique ascendentibus, verticem non superantes; articulus 3us brevissimus. Antennæ glabræ, graciles. Abdomen alas posticas sat superans; fasciculus apicalis parvus, subcompressus. Pedes glabri, robusti. Alæ anticae elongatae, apice subrotundatae, margine exteriore subconvexo subobliquo.

**Male.** Body rather slender. Proboscis moderately long. Palpi stout, squamous, obliquely ascending, not rising higher than the vertex; third joint very short. Antennæ smooth, slender. Abdomen extending rather beyond the hind wings; apical tuft small, slightly compressed. Legs smooth, stout; spurs moderately long and slender. Wings elongate, moderately broad. Fore wings slightly rounded at the tips; exterior border slightly convex and oblique; fourth inferior vein moderately remote from the third.

#### OROCALA DISTENTALIS.

**Mas.** Ochraceo-cervina; abdomen fuscum; alæ punctis marginalibus cinereis elongatis; anticae strigis duabus basalibus lineisque duabus undulatis nigricantibus, spatio exteriore nigricante lineam angulosam plagamque apicalem ochraceas includentes; posticæ fuscæ.

**Male.** Ochraceous fawn-colour, cinereous beneath. Abdomen and hind wings brown. Wings with elongated cinereous marginal points. Fore wings with two blackish streaks proceeding from the base, and with two undulating blackish lines, of which the first is antemedial and the second postmedial; nearly half the exterior surface blackish, including a zigzag ochraceous line and an ochraceous apical patch, the latter with four blackish costal points. Length of the body 4 lines; of the wings 10 lines.

Brazil. In Mr. Saunders' collection.

*Female.* Ferruginous. Abdomen, legs and hind wings cinereous. Wings with black marginal points. Fore wings with two irregular cinereous bands; first band across the middle, containing an incomplete ferruginous line; second marginal; an intermediate undulating cinereous line, which is blackish-bordered on the inner side. Hind wings with a brown line beyond the middle, and with a broad æneous-brown border; the line is much darker on the under side. Length of the body 7 lines; of the wings 14 lines.

*a. St. Domingo.* From Mr. Tweedie's collection.

#### Genus SARACA.

*Fæm.* Corpus vix robustum. Fasciculus frontalis productus. Proboscis brevis. Palpi pubescentes, oblique ascendentibus, verticem non superantes; articulus 3us lanceolatus, 2o valde brevior. Antennæ robustæ. Abdomen alas posticas sat superans. Pedes validi, glabri, breviuscui. Alæ antice elongatæ, apice rectangulatæ, margine exteriore subflexo; postice margine exteriore vix dentato.

Allied to *Egnasia*. *Female.*—Body hardly stout. Frontal tuft prominent. Proboscis short. Palpi pubescent, moderately stout, obliquely ascending, a little longer than the breadth of the head, not rising higher than the vertex; third joint lanceolate, much shorter than the second. Antennæ stout. Abdomen extending rather beyond the hind wings. Legs stout, smooth, rather short; spurs moderately long and slender. Wings elongate. Fore wings rectangular at the tips; exterior border slightly bent in the middle. Hind wings with the exterior border very slightly festooned.

#### SARACA DISRUPTALIS.

*Fæm.* Cinereo-cervina; alæ litura angusta nigra cinereo marginata, fascia exteriore nigra obliqua diffusa; autice lineis duabus basalibus fuscis, plaga costali rufescente; postice plagiis duabus rufescientibus.

*Female.* Cinereous fawn-colour. Body pale cinereous beneath. Wings with a black narrow cinereous-bordered mark in the disk and with an exterior oblique black band, which is very diffuse on the inner side; a black marginal festoon; under side dull pale ochraceous, with a lunulate cinereous-bordered discal mark, with a zigzag cinereous exterior line, and with a bright luteous marginal band. Fore wings with two transverse brown lines near the base, with four white costal points near the tip, and with a reddish patch near the

costa on the outer side of the band. Hind wings with two reddish patches on the outer side of the band. Length of the body 6 lines; of the wings 14 lines.

a. Shanghai. From the collection of the Entomological Society.

#### Genus OROCALA.

**Mas.** Corpus sat gracile. Proboscis mediocris. Palpi robusti, squamosi, oblique ascendentibus, verticem non superantes; articulus 3us brevissimus. Antennæ glabræ, graciles. Abdomen alas posticas sat superans; fasciculus apicalis parvus, subcompressus. Pedes glabri, robusti. Alæ anticae elongatæ, apice subrotundatæ, margine exteriore subconvexo subobliquo.

**Male.** Body rather slender. Proboscis moderately long. Palpi stout, squamous, obliquely ascending, not rising higher than the vertex; third joint very short. Antennæ smooth, slender. Abdomen extending rather beyond the hind wings; apical tuft small, slightly compressed. Legs smooth, stout; spurs moderately long and slender. Wings elongate, moderately broad. Fore wings slightly rounded at the tips; exterior border slightly convex and oblique; fourth inferior vein moderately remote from the third.

#### OROCALA DISTENTALIS.

**Mas.** Ochraceo-cervina; abdomen fuscum; alæ punctis marginalibus cinereis elongatis; anticae strigis duabus basalibus lineisque duabus undulatis nigricantibus, spatio exteriore nigricante lineam angulosam plagamque apicalem ochraceas includente; posticæ fuscæ.

**Male.** Ochraceous fawn-colour, cinereous beneath. Abdomen and hind wings brown. Wings with elongated cinereous marginal points. Fore wings with two blackish streaks proceeding from the base, and with two undulating blackish lines, of which the first is antemedial and the second postmedial; nearly half the exterior surface blackish, including a zigzag ochraceous line and an ochraceous apical patch, the latter with four blackish costal points. Length of the body 4 lines; of the wings 10 lines.

Brazil. In Mr. Saunders' collection.

## Genus ALICADRA.

*Fæm.* Corpus gracile. Proboscis brevis. Palpi lœves, gracieles, arcuati, applicati, verticem paullo superantes; articulus 3us linearis, 2o non brevior. Antennæ glabré, vix robustæ. Abdomen apicem versus lanceolatum, alas postieas longe superans. Pedes lœves, sat gracieles; calcaria longa, gracilia. Alæ anticæ apice rotundatae, margine exteriore vix obliquo.

*Female.* Body slender. Proboscis short. Palpi smooth, slender, curved, applied to the head, rising a little higher than the vertex; third joint linear, conical at the tip, as long as the second. Antennæ smooth, hardly stout. Abdomen tapering towards the tip, extending much beyond the hind wings. Legs smooth, rather slender; spurs long and slender. Wings moderately broad. Fore wings rounded at the tips: exterior border very slightly convex, hardly oblique; fourth inferior vein unusually near to the third.

## ALICARDA VEXATALIS.

*Fæm.* *Rufescens*; *abdomen fuscum*; *alæ anticæ cinereo conspersæ*, *plagis nonnullis rufis et fuscescentibus, punctis marginalibus fuscescentibus*; *posticæ fusceæ*.

*Female.* Reddish. Body silvery white beneath. Palpi white beneath. Abdomen and hind wings brown. Fore wings minutely cinereous-speckled, with some darker red and brownish patches; marginal points brownish. Length of the body 6 lines; of the wings 12 lines.

Brazil. In Mr. Saunders' collection.

## Genus PHANASPA.

*Mas.* Corpus gracile. Fasciculus frontalis productus. Proboscis brevis. Palpi squamosi, gracieles, oblique ascendentes, verticem longissime superantes; articulus 3us lanceolatus, 2o valde brevior. Antennæ gracieles, subsetulose. Abdomen longissimum, alas posticas dimidio superans; fasciculus apicalis parvus. Pedes longi, glabri, gracieles; calcaria longa, gracilia. Alæ anticæ angustæ, subacutæ, margine exteriore convexo perobliquo.

**Male.** Body slender. Frontal tuft prominent. Proboscis short. Palpi squamous, slender, obliquely ascending, much longer than the breadth of the head and rising very much higher than the vertex; third joint lanceolate, much shorter than the second. Antennæ slender, minutely setulose. Abdomen very long, extending for full half its length beyond the hind wings; apical tuft small. Legs long, smooth, slender; spurs long, slender. Fore wings narrow, slightly acute; exterior border convex, very oblique; second inferior vein as far from the first as from the third; third about six times further from the fourth than from the second.

#### PHANASPA DILATATALIS.

**Mas.** *Cinerea; alæ anticæ nigro conspersæ, fasciis duabus nigris deviis postice connexis, linea exteriore nigricante; postice fuscescente-cinereæ.*

**Male.** Cinereous. Thorax and fore wings black-speckled. Fore wings with two irregular bands, which are connected towards the interior border and are formed by the speckles being more numerous than they are elsewhere; first band across the middle; second exterior, bounded on the outer side by a blackish incomplete line. Hind wings brownish cinereous. Length of the body 8 lines; of the wings 15 lines.

**Cape.** In Mr. Saunders' collection.

#### Genus ISTARBA.

**Mas.** Corpus gracile. Proboscis brevis. Palpi porrecti, graciles, capitis latitudine longiores; articulus 2us fimbriatus; 3us linearis, 2i dimidio non brevior. Antennæ graciles. Pedes lœves, breviusculi, sat graciles; calcaria longa, gracilia. Alæ anticæ elongatae, latiusculæ, apice subrotundatae, margine exteriore convexo.

**Male.** Body slender. Proboscis short. Palpi porrect, slender, rather longer than the breadth of the head; second joint fringed above and beneath; third linear, full half the length of the second. Antennæ slender. Legs smooth, rather short and slender; spurs long, slender. Wings elongate, rather broad. Fore wings slightly rounded at the tips; exterior border convex, moderately oblique; second inferior vein nearer to the first than to the third; fourth moderately remote from the third.

## ISTARBA VARIALIS.

**Fœm.** *Pallide ochracea; palpi apice nigricantes; alæ lineis duabus obliquis angulosis plagiisque quinque exterioribus nigris, linea adhuc exteriore alba dentata, fascia submarginali sordide ochracea, guttis marginalibus nigris elongatis albido conspersis albo marginatis, macula marginali nigra; anticæ maculis duabus guttisque duabus antemediis, linea basali maculaque apicali nigris, orbiculari e gutta albida punctum ochraceum includente, punto posteriore ochraceo, reniformi sordide ochracea atomis nigris albidoque marginata; posticæ albidae, ochraceo pallido marginatae, reniformi nigro marginata.*

**Female.** Pale ochraceous, cinereous beneath. Third joint of the palpi, antennæ and fore legs blackish. Wings with two zigzag oblique black lines; five exterior black patches, of which one is costal, and one on the interior border, and the fifth one is on the fore wings; a dentate more exterior white line bounding the inner side of an irregular dingy ochraceous submarginal band; marginal dots black, elongated, thickly whitish-speckled, white-bordered on the inner side; a black spot on the middle of the exterior border; fringe with a black festoon. Fore wings with two black spots and two black dots between the base and the costal patch before mentioned; a black spot on the tip of the costa; an irregular black line near the base; orbicular mark represented by a round whitish dot, which encloses an ochraceous point and has a similar dot behind it; reniform mark dingy ochraceous, rather narrow, with a whitish border and with an inner border of black speckles. Hind wings whitish, except towards the exterior border; some black speckles near the base; reniform mark narrow, black-bordered, intersected by the first line. Length of the body 5 lines; of the wings 13 lines.

*a.* Moreton Bay. From Mr. Diggles' collection.

## Genus RHESCIOPHA.

**Fœm.** Corpus robustum. Fasciculus frontalis productus. Proboscis mediocris. Palpi validi, oblique ascendentes, verticem longe superantes; articulus 2us subfimbriatus; 3us lanceolatus, fimbriatus, 2i dimidio longior. Antennæ pubescentes. Thorax antice cristatus. Abdomen alas posticas paullo superans. Pedes validi, subpilosæ; calcaria longa. Alæ anticæ latæ, subfalcatae, costa convexa, margine exteriore dentato postice excavato, marginis interioris dimidio basali excavato.

**Female.** Body stout. Frontal tuft prominent. Proboscis of the usual length. Palpi stout, obliquely ascending, more than twice longer than the breadth of the head, rising much higher than the vertex; second joint with a short fringe above; third lanceolate, a little more than half the length of the second, fringed above and beneath, the upper fringe more than twice the length of the lower one. Antennæ minutely pubescent. Thorax with a high ridged crest behind the fore tegulae. Abdomen extending a little beyond the hind wings. Legs stout, slightly pilose; spurs long. Wings broad. Fore wings subfalcate; costa convex; exterior border slightly notched from the costa to two-thirds of its length, where it is much excavated; first, second and third inferior veins approximate at the base; fourth moderately remote; interior border excavated for half the length from the base.

#### RHESCIOPHA OBTUSA.

**Fœm.** *Cervina; corpus subtus album; pedes posteriores tarsique antici albi; alæ antice nigro subconspersæ, gulta submarginali flava ochraceo conspersa, plaga postica parva purpurea.*

**Female.** Fawn-colour, pale cinereous fawn-colour beneath. Body beneath, fore tarsi and posterior legs white. Fore wings thinly and minutely black-speckled, with a yellow ochraceous-speckled dot near the exterior border between the third and fourth inferior veins; a small purple patch at the end of the excavated part of the interior border. Length of the body 10 lines; of the wings 23 lines.

a. Brazil. From Mr. Wallace's collection.

#### Genus PERTA.

**Fœm.** *Corpus sat gracile. Fasciculus frontalis productus, acutus. Proboscis gracilis. Palpi graciles, angulati, verticem superantes; articulus 2us apicem versus subfimbriatus; 3us linearis, 2i dimidio vix brevior. Antennæ graciles, subsetulosæ, subpubescentes. Abdomen lanceolatum, apice subcompressum, alas posticas vix superans. Pedes glabri, graciles; calcaria longa, gracilia. Alæ antice elongatæ, acutæ, margine exteriore subconvexo sat obliquo.*

**Female.** Body rather slender. Frontal tuft prominent, acute. Proboscis slender. Palpi slender, rising higher than the vertex; second joint squamous, nearly erect, slightly fringed above towards

the tip; third linear, obliquely ascending, nearly half the length of the second, with which it forms an obtuse angle. Antennæ slender, very minutely setulose and pubescent. Abdomen hardly extending beyond the hind wings, tapering from the base to the tip, which is slightly compressed. Legs smooth, slender; spurs long, slender. Wings moderately broad. Fore wings elongate, acute; exterior border slightly convex, rather oblique; second inferior vein as far from the first as from the third; fourth moderately remote from the third.

#### *PERITA ARENALIS.*

*Fœm.* *Pallide testacea; caput apud oculos cervinum; abdomen apice rufescens; pedes rufescentes; alæ antice lineis duabus pallidioribus obliquis subrectis, gutta strigulaque arcuata nigricantibus intermediis, punctis quatuor exterioribus nigris elongatis; postica apud marginem exteriorem rufescente conspicua.*

*Female.* Pale testaceous. Head fawn-colour about the eyes. Second joint of the palpi fawn-colour on the outer side. Abdomen reddish at the tip. Legs reddish. Wings beneath reddish-speckled. Fore wings with two paler oblique nearly straight lines; orbicular mark forming a blackish dot on the inner side of the first line; reniform represented by a little blackish curved streak between the lines; four elongated black points in a transverse row between the second line and the exterior border. Hind wings reddish-speckled towards the exterior border. Length of the body 5 lines; of the wings 12 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### Genus SUMA.

*Fœm.* Corpus sat gracile. Proboscis brevis. Palpi sat gracieles, subascendentes, verticem paulo superantes; articulus 2us squamosus; 3us linearis, 2o brevior multo gracilior. Antennæ sat graciles. Abdomen alas posticas non superans. Pedes laves, sat graciles; calcaria longiuscula, sat gracilia. Alæ antice latæ, elongatæ, acutæ, margine exteriore flexo.

*Female.* Body rather slender. Proboscis short. Palpi rather slender, slightly ascending, rising a little higher than the vertex, much longer than the breadth of the head; second joint squamous; third linear, conical at the tip, much more slender and a little shorter

than the second. Antennæ rather slender. Abdomen not extending beyond the hind wings. Legs smooth, rather slender; spurs rather long and slender. Wings broad, elongate. Fore wings acute; exterior border forming an obtuse angle at somewhat behind the middle; second inferior vein much nearer to the first than to the third; fourth very remote from the third.

This genus has much resemblance to some of the *Noctuites* in the structure of the palpi.

#### SUMA INCONGRUALIS.

**Fœm.** *Cinereo-fusca; palporum articulus 3us basi apiceque cinereus; alæ anticae nigro conspersæ, linea basali undulata, linea antemedia undulata albo marginata, linea submarginali angulosa interrupta albo marginata lunulisque marginalibus nigris, orbiculari e punto nigro, reniformi e lunula nigra; posticae fuscescente-cinereæ.*

**Female.** Cinereous-brown, more cinereous beneath. Third joint of the palpi cinereous towards the base and at the tip. Abdomen and hind wings brownish cinereous. Fore wings black-speckled, a black undulating line near the base; a black undulating line before the middle, bordered with white on the outer side; a zigzag interrupted and irregular submarginal black line, bordered with white on the outer side; marginal lunules black; orbicular mark forming a black point on the outer side of the first line; reniform represented by a slender black lunule on the outer side of the second line. Length of the body 5 lines; of the wings 14 lines.

**a.** South Africa. From Mr. Argent's collection.

#### Genus GABERASA.

**Mas.** Corpus sat gracile. Fasciculus frontalis productus. Proboscis mediocris. Palpi arcuati, squamoso-hirsuti, verticem longissime superantes; articulus 3us 2i dimidio brevior. Antennæ pubescentes, setosæ, breviuscule, sat graciles. Abdomen alas posticas paullo superans; fasciculus apicalis mediocris. Pedes læves, breviusculi, sat robusti; calcaria longa, gracilia. Alæ anticae elongatæ, margine exteriore scisso antice subtruncato.

**Male.** Body rather slender. Frontal tuft prominent. Proboscis of the usual length. Palpi curved, squamous-hirsute to the tips, more than twice longer than the breadth of the head, rising

very high above the vertex ; third joint less than half the length of the second. Antennæ pubescent, setose, rather short and slender. Abdomen extending a little beyond the hind wings ; apical tuft of moderate size. Legs smooth, rather short and stout ; spurs long, slender. Wings elongate, moderately broad. - Fore wings with a narrow and very deep excavation on the middle of the exterior border ; fore part of the latter slightly truncated ; fourth inferior vein very remote from the third.

#### GABERASA AMBIGUALIS.

*Mas.* *Obscure cervina* ; *alæ antice basi pallidiores, gutta basali nigra, lineis duabus nigris antemediis, 1a subobliqua fusco marginata, 2a diffusa undulata, linea postmedia nigra denticulata, plaga subapicali fusca cinereo marginata* ; *posticæ cinereæ, lineis tribus diffusis margineque fuscous*.

*Male.* Dark fawn-colour, cinereous beneath. Fore wings paler between the base, and a slightly oblique black line at one-fourth of the length, which line is broadly bordered with brown on the outer side ; a black basal dot ; a black diffuse undulating antemedial line ; a black denticulated postmedial line, more slender and concise than the preceding line, its hind part much curved inward ; a brown subapical patch, bordered on the outer side by a cinereous line ; three black points on the fore part of the exterior border. Hind wings cinereous, with three diffuse brownish lines, and with a brownish border. Length of the body  $4\frac{1}{2}$  lines ; of the wings 12 lines.

*a.* North America. From Mr. Carter's collection.

#### Genus TIBRACANA.

*Fæm.* Corpus gracile. Proboscis mediocris. Palpi sat gracieles, oblique ascendentibus, capitis latitudine plus duplo longiores ; articulus 2us subfimbriatus ; 3us lanceolatus. Abdomen alas posticas superans. Pedes laeves, sat gracieles ; calcaria longa, gracilia. Alæ antice latæ, apice rectangulatæ, margine exteriore subflexo.

*Female.* Body slender. Proboscis of the usual length. Palpi obliquely ascending, rather slender, more than twice longer than the breadth of the head ; second joint slightly fringed above ; third lanceolate, nearly half the length of the second. Abdomen extending somewhat beyond the hind wings. Legs smooth, rather slender ; spurs long, slender. Wings broad. Fore wings rectangular at the

tips; exterior border slightly bent opposite the second inferior vein; the latter nearer to the first than to the third inferior vein; fourth very remote from the third.

#### TIBRACANA XANTHALIS.

Fœm. *Læte flava; abdomen pallide cinereum; alæ punctis marginalibus nigris; anticæ roseo conspersæ, punctis duobus nigris, striga obliqua purpurascente intus diffusa; posticæ pallide cinereæ.*

*Female.* Bright yellow. Abdomen, hind wings and under side pale cinereous; under side with black marginal points. Fore wings rosy-speckled; two black points in the disk, one behind the other; an irregular oblique purplish streak, diffuse on the inner side, extending from near the tip behind the points towards the basal part of the interior border; under side with an irregular blackish stripe, which extends from the base to an irregular oblique blackish band. Length of the body 5 lines; of the wings 14 lines.

Brazil. In Mr. Saunders' collection.

#### Genus MOSCHA.

*Mas.* Corpus sat validum. Fasciculus frontalis productus. Proboscis brevis. Palpi graciles, squamosi, subascendentes, capit is latitudine duplo longiores; articulus 3us lanceolatus, 2o valde brevior. Antennæ pectinatæ. Abdomen lanceolatum, alas posticas longe superans; fasciculus apicalis elongatus, subcompressus. Pedes glabri, graciles; calcaria gracilia, longissima. Alæ anticæ elongatae, apice rectangulatae, costa dimidio basali vix convexa apicem versus vix concava, margine exteriore subangulato; posticæ margine exteriore angulato postice dentato.

*Male.* Body moderately stout. Frontal tuft prominent. Proboscis short. Palpi slender, squamous, slightly ascending, rising a little higher than the vertex, twice longer than the breadth of the head; third joint lanceolate, much shorter than the second. Antennæ moderately pectinated. Abdomen lanceolate, extending much beyond the hind wings; apical tuft elongate, slightly compressed. Legs smooth, slender; spurs slender, very long. Wings elongate, moderately broad. Fore wings rectangular at the tips; costa hardly convex along half the length from the base, hardly concave along

the exterior half; exterior border obtusely angular in the middle. Hind wings with the exterior border angular, its hind part deeply dentate.

#### MOSCHA POSTICALIS.

*Mas.* *Glauco-fusca; alæ linea marginali nigra; anticæ lineis quatuor nigris, interpositis, 1a 2aque undulatis, 3a 4aque denticulatis, macula inter lineas 3am 4amque flavo-alba; posticæ fascia flavo-alba abbreviata subundulata nigricante marginata et subconspersa.*

*Male.* Glaucous-brown, more glaucous beneath. Wings with a black marginal festoon. Fore wings with four blackish lines; first and second lines undulating; third and fourth denticulated; a yellowish white spot in the disk between the third and fourth lines; four whitish points on the costa beyond the middle. Hind wings with a yellowish white slightly undulating blackish-bordered thinly blackish-speckled band, which is abbreviated towards the pale cinereous costal space. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

Hindostan. In Mr. Saunders' collection.

#### Genus LARASSA.

*Mas.* Corpus sat validum. Proboscis mediocris. Palpi gracieles, subascendentes, capit is latitudine non longiores; articulus 3us lanceolatus, 2i dimidio brevior. Antennæ glabré, graciles. Thorax cristatus. Abdomen alas posticas paullo superans; fasciculus apicalis minimus. Pedes lœves, gracillimi; calcaria longa, gracilia; tibiae anticæ breves, subdilatatae, subfimbriatae. Alæ anticæ latiusculæ, subacutæ, margine exteriore subrecto, margine interiore spatio brevi postmedio fimbriato apicem versus excavato.

*Male.* Body moderately stout. Proboscis of the usual length. Palpi smooth, slender, slightly ascending, not rising so high as the vertex, as long as the breadth of the head; third joint lanceolate, less than half the length of the second. Antennæ smooth, slender. Thorax with an upright rather high crest. Abdomen extending a little beyond the hind wings; apical tuft very small. Legs smooth, very slender; spurs long, slender; fore tibiae short, slightly dilated and fringed. Wings rather broad. Fore wings slightly acute; exterior border nearly straight, moderately oblique; interior border furnished with a broad fringe beyond the middle, slightly excavated from thence to the interior angle.

## LARASSA CONDECORALIS.

**Mas.** *Pallide cervinu; caput albidum; palpi albidi, fusco conspersi; abdomen ochraceum; alæ antice lineis duabus albis nigricante submarginatis postice approximatis, 1a subundulata, linea exteriore angulosa brevi plagaque postica albis, punctis marginalibus nigris; posticæ ochraceæ.*

**Male.** Pale fawn-colour, whitish beneath. Head and palpi whitish, the latter speckled with brown. Abdomen and hind wings ochraceous. Fore wings with two white slightly and incompletely blackish-bordered lines, which are very much nearer to each other on the interior border than on the costa; first line slightly undulating; second more straight, but bent towards the first near the interior border, approaching the middle of a more exterior white zigzag line, which extends from near the end of the interior border to the middle of the exterior border; a white patch on the interior border between the first line and the base; marginal points black. Length of the body 4 lines; of the wings 10 lines.

a. Moreton Bay. From Mr. Diggles' collection.

## Genus ADDÆA.

**Fæm.** Corpus gracile. Proboscis longa. Palpi graciles, oblique ascendentibus, subtus late fimbriati, verticem non superantes; articulus 3us longi-conicus. Antennæ gracillimæ. Abdomen alas posticas sat superans. Pedes glabri, graciles. Alæ antice elongatæ, acutæ, margine exteriore vix convexo.

**Female.** Body slender. Proboscis long. Palpi slender, obliquely ascending, broadly fringed beneath, not rising higher than the vertex; third joint elongate-conical, about one-fourth of the length of the second. Antennæ very slender. Abdomen extending rather beyond the hind'wings. Legs smooth, slender; spurs slender, moderately long. Wings elongate. Fore wings acute; exterior border hardly convex, moderately oblique.

## ADDÆA SUBTESELLATA.

**Fæm.** *Albida; caput et thorax anticus subcervina; alæ cervino subtesellatae, fascia, linea exteriore subundulata punctisque marginalibus elongatis fuscis; posticæ litura apud marginem interiorem fusca.*

*Female.* Whitish. Head and fore part of the thorax slightly fawn-coloured. Wings minutely tessellated with fawn-colour; a narrow oblique brown band and an exterior slightly undulating brown line; marginal points brown, elongated. Hind wings with a small brown mark near the base of the interior border. Length of the body  $3\frac{1}{2}$  lines; of the wings 9 lines.

a. Swan River. From Mr. Diggles' collection.

#### Genus ZALACA.

*Mas.* Corpus sat gracile. Proboscis brevis. Palpi erecti, squamosi, vertice in longe superantes; articulus 3us lanceolatus, 2i dimidio brevior. Antennæ breviuscule, dense setulosæ. Pedes glabri. Alæ anticæ latiusculæ, apice rectangulatæ, margine exteriore subrecto vix obliquo.

*Male.* Body rather slender. Proboscis short. Palpi erecti, squamosi, moderately stout, rising much higher than the vertex; third joint lanceolate, less than half the length of the second. Antennæ rather short, densely setulose. Legs smooth. Wings rather broad. Fore wings rectangular at the tips; exterior border nearly straight, hardly oblique.

#### ZALACA ANTICALIS.

*Mas.* *Albida; caput et thorax anticus fusca; alæ nigricante subconsperse, lineis nonnullis subochraceis subundulatis, lineis duabus albis submarginalibus angulosis, punctis marginalibus fuscis elongatis; anticæ maculis quatuor costalibus, gutta, strigis duabus lituraque nigricantibus; posticæ punctis nonnullis nigricantibus bilineatae.*

*Male.* Whitish. Head and fore part of the thorax brown. Palpi brown on the outer side. Wings with a few blackish speckles and with some dingy ochraceous slightly undulating lines, which are hardly apparent in the hind wings; two zigzag submarginal white lines; marginal points brown, elongated. Fore wings with four blackish costal spots, of which the third is much smaller than the others; a blackish dot in the disk behind the second spot; fourth spot contiguous at its hind end with two oblique blackish streaks; a blackish mark between the latter and the exterior border, of which the fore part is cinereous. Hind wings with some blackish points;

These form two lines, which are much abbreviated towards the costa. Length of the body 4 lines; of the wings 9 lines.

i. Natal. From Mr. Plant's collection.

### Genus SANACEA.

**Mas.** Corpus gracile. Fasciculus frontalis productus. Proboscis brevis. Palpi pubescentes, subascendentes, vix angulati, capitis latitudine paulo longiores; articulus 3us porrectus, linearis, non valde brevior. Antennæ graciles, setosæ. Abdomen alas posticas longe superans; fasciculus apicalis longus, subcompressus. Pedes levæ, longiusculi, sat graciles; calcaria longa, gracilia. Alæ antice latiusculæ, acutæ, costa basi subconvexa.

**Male.** Body slender. Frontal tuft prominent. Proboscis short. Palpi pubescent, slightly ascending, extending much beyond the head and a little longer than its breadth; third joint porrect, linear, much shorter than the second, with which it forms a very slight angle. Antennæ slender, setose. Abdomen long, lanceolate, extending much beyond the hind wings; apical tuft long, slightly compressed. Legs smooth, rather long and slender; spurs long, slender. Wings rather broad, not long. Fore wings acute; costa very slightly convex towards the base; exterior border convex, moderately oblique; second inferior vein a little nearer to the first than to the third; fourth remote from the third.

### SANACEA TRUNCATALIS.

**Mas.** Pallide cinereo-lutea, subtus rufo conspersa; alæ antice fusco conspersæ, lineis duabus obliquis, 1a subrecta, 2a subundulata, linea submarginali angulosa indistincta, reniformi magna indistincta; posticæ linea postmedia cinerea indistincta subundulata.

**Male.** Pale cinereous-luteous. Abdomen beneath and legs minutely red-speckled. Wings with black marginal points; under side luteous, with two brown diffuse denticulated lines. Fore wings with brown speckles, which are very thick in the middle; two oblique lines of the ground hue; first antemedial, nearly straight; second postmedial, slightly undulating; submarginal line zigzag, indistinct, of the ground hue; reniform mark large, indistinct. Hind wings with an indistinct cinereous slightly undulating line beyond the middle. Length of the body  $6\frac{1}{2}$  lines; of the wings 13 lines.

2. Venezuela. From Mr. Dyson's collection.

## Genus MARIMATHA.

*Fæm.* Corpus vix robustum. Proboscis mediocris. Palpi lœves, graciles, subarcuati, verticem longe superantes; articulus 3us lanceolatus, 2o brevior. Antennæ setulosæ. Abdomen alas posticas sat superans. Alæ anticæ acute, margine exteriore convexo.

*Female.* Body hardly stout. Proboscis of the usual length. Palpi smooth, slender, slightly curved, nearly erect, rising much higher than the vertex; third joint lanceolate, rather shorter than the second. Antennæ setulose. Abdomen extending rather beyond the hind wings. Fore wings acute; exterior border convex, moderately oblique.

## MARIMATHA RHODARIALIS.

Herminia rhodarialis, *C. L. H.* xix. 859.

## MARIMATHA DINUMERATALIS.

*Mas.* Aurato-flava; palpi fusi, arcuati, verticem vix superantes, articulo 3o cinereo lanceolato; alæ anticæ punto discali nigro, fascia marginali abbreviata cupreo-rufescente, linea marginali fusca; posticæ albidae, margine exteriore subæneo.

*Male.* Gilded yellow, pale cinereous beneath. Palpi brown, squamous, curved, rather stout, shorter than the breadth of the head and hardly rising higher than the vertex; third joint cinereous, lanceolate, less than half the length of the second. Antennæ setulose. Legs smooth, slender. Fore wings acute; a black point in the disk; a marginal cupreous-reddish band, which is abbreviated at each end; marginal festoon brown; exterior border convex, slightly oblique. Hind wings whitish, with a slight æneous tinge along the exterior border. Length of the body 4 lines; of the wings 10 lines.

a. Honduras. From Mr. Dyson's collection.

## MARIMATHA? NIGRIPALPIS.

*Mas.* Albida; fasciculus frontalis porrectus, acutus; palpi nigri, oblique ascendentes, verticem superantes, articulo 2o supra fimbriato, 3o lanceolato; antennæ setosæ; pedes lœves, sat robusti; alæ anticæ latæ, nigro subconspersæ, spatio exteriore subochraceo, macula apicali elongata alba, punctis marginalibus nigris; posticæ pallide fuscescentes.

**Male.** Whitish. Frontal tuft porrect, acute. Palpi black, squamous, moderately stout, obliquely ascending, rising higher than the vertex, shorter than the breadth of the head; second joint fringed above; third lanceolate, not more than one-third of the length of the second. Antennæ slender, setose. Abdomen extending a little beyond the hind wings; apical tuft very small. Legs smooth, rather stout; spurs long, slender. Wings broad. Fore wings with a few black speckles, and on the exterior part with an ochraceous tinge, which is deepest in front, where it is concisely limited by an elongate white spot which occupies the apical part of the costa; marginal points black; exterior border convex, moderately oblique. Hind wings pale brownish. Length of the body 4 lines; of the wings 10 lines.

a. Honduras. From Mr. Dyson's collection.

#### MARIMATHA DUPPLICALIS.

**Fœm.** *Flava; vertex roseus; palpi verticem superantes, articulo 3o lanceolato 2i dimidio longiore; thoracis latera antica rosea; abdomen pallide cinereum; alæ anticæ striga brevi costali fasciaque lata marginali roseis; posticæ pallide cinereæ.*

**Female.** Yellow, pale cinereous beneath. Vertex rosy. Palpi smooth, rather slender, rising higher than the vertex, a little longer than the breadth of the head; third joint lanceolate, somewhat more than half the length of the second. Thorax rosy on each side in front. Abdomen pale æneous-cinereous, extending a little beyond the hind wings. Fore wings acute, with a rosy costal streak along one-third of the length from the base, and with a broad rosy marginal band, which widens from the costa to the interior border. Hind wings pale æneous-cinereous. Length of the body 4½ lines; of the wings 10 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

#### MARIMATHA SUBFLAVALIS.

**Fœm.** *Pallide flava; caput et thorax anticus purpureo-rufa; alæ punctis marginalibus nigricantibus; anticæ fascia marginali sordide flava; posticæ fascia marginali fuscescente.*

**Female.** Pale yellow, mostly tinged with pale red beneath. Head, palpi and fore part of the thorax purplish red. Wings with blackish marginal points. Fore wings with a dingy yellow marginal

band. Hind wings with a brownish marginal band. Length of the body 5 lines; of the wings 11 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

#### MARIMATHA CONFINISALIS.

*Lutea ; caput et thorax anticus purpureo-rosea ; alæ anticæ vitta costuli, fascia postmedia obliqua, linea exteriore subundulata fimbriaque purpureo-rufis.*

Luteous. Head, palpi and fore part of the thorax purplish rosy. Palpi squamous, obliquely ascending, rising rather higher than the vertex; third joint lanceolate, less than half the length of the second. Legs smooth, stout, silvery; fore legs slightly rosy. Fore wings with a purplish rosy costal stripe, which extends along nearly half the length from the base, and is indented on its hind side; an oblique purplish rosy band beyond the middle, and an indeterminate more exterior slightly undulating purplish rosy line; fringe purplish rosy. Hind wings whitish. Length of the body 3 lines; of the wings 8 lines.

a. —— ?

#### Genus ANITHA.

*Mas.* Corpus sat gracile. Proboscis gracilis. Palpi longi, gracieles, ascendentes, verticem longe superantes; articulus 2us valde arcuatus; 3us lanceolatus, 2i dimidio non brevior. Antennæ sub-setulosæ. Pedes lœves, sat graciles; tibiæ anticæ fasciculo basali penicillato. Alæ anticæ subacutæ, margine exteriore subconvexo.

*Male.* Body rather slender. Proboscis slender. Palpi slender, smooth, rising high above the vertex, much longer than the breadth of the head; second joint much curved; third lanceolate, full half the length of the second. Antennæ minutely setulose. Legs smooth, rather slender; fore tibiæ with a penicillate tuft near the base; hind tibiæ with four moderately long spurs. Wings moderately broad. Fore wings slightly acute; costa straight; exterior border slightly convex, moderately oblique.

Allied to *Luceria*.

#### ANITHA MUNDIFERALIS.

*Mas.* Pallide lutea; alæ anticæ lineis duabus indeterminatis e punctis nigris aut fuscis, linea submarginali e punctis albis nigro marginatis, spatio marginali fuscescente, lunulis marginalibus nigris; posticæ cinereæ, atomis, lunula discali lineisque duabus exterioribus fuscis.

**Male.** Pale luteous. Abdomen and under side cinereous. Wings beneath with brown speckles, with a brown discal lunule, and with two exterior denticulated brown lines, which are most conspicuous in the hind wings. Fore wings with a middle line composed of four black points, and with a shorter exterior line of smaller brown points; submarginal line of white black-bordered points; marginal space brownish; marginal lunules black. Hind wings pale cinereous, darker along the exterior border, with markings less distinct than those on the under side. Length of the body 4 lines; of the wings 10 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

#### Genus MERANDA.

**Mas.** Corpus vix robustum. Proboscis brevis. Palpi gracieles, fimbriati, subascendentes, corporis latitudine non breviores; articulus 3us lanceolatus, 2o valde brevior. Antennæ submoniliiformes, subpubescentes. Abdomen alas posticas non superans; fasciculus apicalis minimus. Pedes breves, sat validi. Alæ antice latæ, breviuscule acutæ, margine exteriore subconvexo subobliquo.

**Male.** Body hardly stout. Proboscis short. Palpi slender, slightly ascending, with a long fringe above and beneath, full as long as the breadth of the head; third joint lanceolate, much shorter than the second. Antennæ submoniliiform, very minutely pubescent. Abdomen not extending beyond the hind wings; apical tuft very small. Legs short, smooth, rather stout. Fore wings broad, acute, rather short; exterior border very slightly convex and oblique.

#### MERANDA LATALIS.

**Mas.** *Cinereo-fusca; corpus luteum; alæ anticæ lineis tribus marginisque exteriore sordide ochraceis, linea 1a recta, 2a undulata cinereo marginata, 3a subangulosa, punctis marginalibus nigris.*

**Male.** Cinereous-brown. Body luteous. Wings with a cinereous fringe. Fore wings with three dingy ochraceous lines, and with a dingy ochraceous tinge along the exterior border; first line straight; second undulating, bordered with cinereous on the outer side; third slightly zigzag, less distinct than the second; marginal points black; four cinereous costal points near the tip; under side luteous along the costa. Hind wings beneath mostly

luteous, with two curved brown lines beyond the middle. Length of the body 3 lines; of the wings 8 lines.

a. Swan River. From Mr. Diggles collection.

#### Genus GAUZANIA.

*Fæm.* Corpus robustum. Proboscis brevis. Palpi subarcuati, oblique ascendentibus, verticem paulo superantes; articulus 2us latus; 3us lanceolatus, gracilis, 2o valde brevior. Abdomen alas posticas non superans. Pedes glabri. Alæ anticae late, acutæ..

*Female.* Body stout. Proboscis short. Palpi slightly curved, obliquely ascending, rising a little higher than the vertex; second joint broad; third lanceolate, slender, much shorter than the second. Abdomen not extending beyond the hind wings. Legs smooth. Wings broad. Fore wings acute.

#### GAUZANIA MUNDALIS.

*Fæm.* *Cervina, purpurascente-cinereo suffusa; pedes purpurascente-rufi; postici flavescente-cinerei, tibiis rufescente vittatis; alæ purpurascente fimbriatae; anticæ lineis duabus nigricantibus obliquis indistinctis, 1a undulata, 2a submarginali, striga antica rufescente-fusca lata diffusa, punctis duobus disci punctisque marginalibus nigris; posticæ cinereæ.*

*Female.* Fawn-colour, with a purplish cinereous bloom. Abdomen cinereous. Legs purplish red; hind legs yellowish cinereous, their tibiae with a reddish stripe. Wings with a purplish fringe. Fore wings with two slender oblique indistinct blackish lines; first line undulating, accompanied by a broad diffuse reddish brown streak towards the costa; second submarginal; two black points in the disk, one behind the other; marginal points black; under side blackish cinereous, bright red towards the tips. Hind wings cinereous, whitish along the costa; under side yellowish white, bright red along the costa. Length of the body 4 lines; of the wings 10 lines.

a. Swan River. From Mr. Diggles' collection.

#### Genus BETOUSA.

*Mas.* Corpus robustum. Proboscis brevis, gracilis. Palpi porrecti, sat graciles, capitis latitudine multo longiores; articulus

*2us apicem versus fimbriatus ; 3us lanceolatus, pubescens, 2i dimidio non longior. Antennæ validæ, pubescentes. Pedes robusti; tibiæ fimbriatæ; tibiæ anticæ dense fasciculatæ. Alæ anticæ acutæ, margine exteriore obliquo vix convexo.*

*Male.* Body stout. Proboscis short, slender. Palpi porrect, rather slender, much longer than the breadth of the head, and extending very much beyond it; second joint thinly fringed with long hairs above towards the tip; third lanceolate, pubescent, about half the length of the second. Antennæ stout, pubescent. Legs stout; tibiæ fringed; fore tibiæ densely tufted; spurs long, slender. Wings moderately broad. Fore wings acute; exterior border hardly convex, moderately oblique; second inferior vein nearer to the first than to the third; fourth not very remote from the third. Hind wings with a penicillate tuft above at the base.

#### BETOUSA DIVISALIS.

*Mas. Lutea; palpi nigro subconsversi, articulo 3o basi apiceque nigro; alæ anticæ costa marginaque exteriore ochraceis, atomis nonnullis bivalibus guttisque quatuor nigris antibus, linea submarginali lutea undulata, punctis marginalibus nigris elongatis; postice pallidissime ochraceæ, punctis marginalibus fuscis elongatis.*

*Male.* Luteous, paler beneath. Palpi slightly black-speckled; third joint black above at the base and at the tip. Tuft of the fore tibiæ black-tipped. Fore wings ochraceous-tinged along the costa and towards the exterior border; four blackish dots, one at the base, two in the disk before the middle, and one beyond the middle; a few blackish speckles near the base; a submarginal undulating luteous line; marginal points black, elongated. Hind wings very pale ochraceous; basal tuft ochraceous; marginal points brown, elongated. Length of the body 3 lines; of the wings 8 lines.

a. *Ega.* From Mr. Bates' collection.

#### Genus TIGRANA.

*Mas. Corpus gracile. Fasciculus frontalis productus. Proboscis brevis, gracilis. Palpi late fimbriati, oblique ascendentæ, verticem vix superantes, articulo 3o conico parvo. Antennæ subpectinatæ, apices versus setosæ. Pedes læves, sat robusti; calcaria gracilia, longissima. Alæ anticæ late, breviusculæ, subfalcatae, margine exteriore convexo subobliquo.*

**Male.** Body slender. Frontal tuft prominent. Proboscis short, slender. Palpi obliquely ascending, broadly fringed above and beneath, as long as the breadth of the head, hardly rising higher than the vertex; third joint conical, less than one-fourth of the second. Antennæ slightly pectinated, setose towards the tips. Legs smooth, rather stout; spurs slender, very long. Wings broad, rather short. Fore wings subfalcate; exterior border convex, slightly oblique; second inferior vein a little nearer to the first than to the third; fourth remote from the third.

#### TIGRANA DETRITALIS.

**Mas.** *Albido-cinerea; caput et thorax pallide lutea; palpi ochracei; alæ cervino pallido subconspersæ, linea marginali nigra; anticæ lineis tribus subundulatis pallide cervinis, linea apicem versus fusca costali puncta tria pallide cinerea includente; posticæ auratæ.*

**Male.** Whitish cinereous, pale ochraceous beneath. Head and thorax pale luteous. Palpi ochraceous. Wings slightly speckled with pale fawn-colour; a slender blackish marginal line. Fore wings with three pale fawn-coloured slightly undulating lines; space along the inner side of the middle line thickly speckled; a slender brown line along the apical part of the costa, containing three pale cinereous points. Hind wings gilded. Length of the body 4 lines; of the wings 10 lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### TIGRANA? FERVIDALIS.

**Fæm.** *Cervina, cinereo conspersa; caput et thorax anticus ochracea; palpi porrecti, capit is latitudine paullo longiores; antennæ subpubescentes; abdomen luteum; alæ linea marginali fusca, fimbria basi lutea; anticæ apice rectangulatæ, lineis duabus ferrugineis, 1a subrecta, 2a subflexa, linea exteriore fuscescente undulata, costa basi subchalybæa; posticæ basi luteæ.*

**Female.** Fawn-colour, minutely cinereous-speckled, mostly luteous beneath. Head, palpi and fore part of the thorax ochraceous. Palpi porrect, a little longer than the breadth of the head. Antennæ slender, very minutely pubescent. Abdomen luteous, not extending beyond the hind wings. Wings with a brown marginal festoon; fringe luteous at the base. Fore wings rectangular at the tips, with

a chalybeous tinge along the basal part of the costa, and with three darker lines; first and second lines ferruginous; first nearly straight; second slightly bent outward; third brownish, undulating; exterior border slightly convex. Hind wings luteous towards the base. Length of the body 4 lines; of the wings 10 lines.

a. Australia. From Mr. Daniel's collection.

#### Genus PHANASPA.

*Fæm.* Corpus gracile. Proboscis brevis. Palpi porrecti, sat graciles, corporis latitudine paullo longiores; articulus 2us dense fimbriatus; 3us longi-conicus, 2i dimidio brevior. Antennæ graciles. Abdomen alas posticas non superans. Pedes glabri, graciles; calcaria longissima, gracillima. Alæ latæ, margine exteriore vix dentato; antice acutæ.

*Female.* Body slender. Proboscis short. Palpi porrect, rather slender, a little longer than the breadth of the head; second joint thickly triunged above and beneath; third elongate-conical, less than half the length of the second. Antennæ slender. Abdomen not extending beyond the hind wings. Legs smooth, slender; spurs very long and slender. Wings broad; exterior border slightly festooned. Fore wings acute; exterior border convex, moderately oblique; second inferior vein much nearer to the first than to the third; fourth very remote from the third.

#### PHANASPA THERMESIALIS.

*Fæm.* Cervina; alæ lineis tribus obliquis nigricantibus, 1a 2aque subundulatis, 3a denticulata cinereo submarginata, spatio exteriore fuscescente lineam submarginalem cervinam angulosam includente, puncto discali punctisque marginalibus nigris.

*Female.* Fawn-colour, mostly cinereous beneath. Wings with three blackish oblique lines; first and second lines slightly undulating; first nearly obsolete in the hind wings; third denticulated, incompletely cinerous-bordered on the outer side; space between the third and the exterior border brownish, including a fawn-coloured zigzag submarginal line; marginal points black; a black point on the inner side of the second line. Length of the body 4½ lines; of the wings 11 lines.

a. Natal. From M. Guenzius' collection.

## Genus OCRASA.

*Fæm.* Corpus gracile. Proboscis robusta, brevis. Palpi gracieles, squamosi, subangulati, oblique ascendentibus, verticem non superantes, articulo 3o conico porrecto. Antennæ graciles. Abdomen alas posticas longe superans, apicem versus attenuatum; oviductus exsertus. Pedes laves, gracieles; tibiæ posticæ subfimbriatae; calcaria longa, gracilia. Alæ anticæ longæ, sat angustæ, vix acutæ, margine exteriore vix convexo.

*Female.* Body slender. Proboscis stout, short. Palpi slender, squamous, obliquely ascending, shorter than the breadth of the head and not rising higher than the vertex; third joint porrect, conical, less than one-fourth of the length of the second, with which it forms a slight angle. Antennæ slender. Abdomen extending much beyond the hind wings, attenuated towards the tip; oviduct exserted. Legs smooth, slender; hind tibiæ very slightly fringed; spurs long, slender. Wings long, rather narrow. Fore wings hardly acute; exterior border hardly convex, moderately oblique; first and second inferior veins contiguous at the base; third rather remote from the second; fourth more remote from the third.

## OCRASA ALBIDALIS.

*Fæm.* Pallidissime ochracea; alæ lituris nullis, fimbria pallide rufescente.

*Female.* Very pale ochraceous. Wings shining, without any markings; fringe pale reddish. Length of the body 6 lines; of the wings 12 lines.

a. Moreton Bay. From Mr. Diggles' collection.

## Genus APPHADANA.

*Mas et fæm.* Corpus sat robustum. Fasciculus frontalis porrectus, acutus. Proboscis mediocris. Palpi laves, subascendentibus, capitis latitudine multo breviores; articulus 2us latus, subfimbriatus; 3us brevis, obtusus. Pedes laves, sat gracieles; calcaria longa, gracilia. Alæ anticæ latæ, subacutæ, margine exteriore obliquo vix convexo. *Mas.*—Antennæ subpectinatae. Abdomen alas posticas paullo superans; fasciculus apicalis parvus, elongatus.

*Male and female.* Body moderately stout. Frontal tuft porrect, acute. Proboscis of the usual length. Palpi smooth, slightly ascending, much shorter than the breadth of the head; second joint

broad, with a very short fringe; third obtuse, not more than one-fourth of the length of the second. Antennæ of the male slightly pectinated. Abdomen of the male extending a little beyond the hind wings; apical tuft small, elongate. Legs smooth, rather slender; spurs long, slender. Wings broad. Fore wings slightly acute; exterior border hardly convex, moderately oblique, first, second and third inferior veins nearly contiguous at the base; fourth remote.

#### APPHADANA EVULSALIS.

**Mas et fœm.** *Subcervino-cinerea; palpi extus fusti; alæ antice lineis tribus fuscis undulatis, 3a nigro notata, spatio marginali glauco-cinereo suffuso; posticæ lituris minus determinatis.*

**Male and female.** Cinereous, with a slight tinge of fawn-colour. Palpi brown on the outer side, excepting the third joint. Wings with black marginal points, and with a brown marginal festoon. Fore wings with three brown undulating lines; third line more or less marked with black; space between the third line and the exterior border with a glaucous-cinereous tinge. Hind wings with markings like those of the fore wings, but less distinct. Length of the body 4—4½ lines; of the wings 9—10 lines.

—k. Ceylon. From M. Nietner's collection.

#### Genus PINACIA, C. L. H. xix. 919.

**PINACIA MOLYBDÆNALIS,** C. L. H. xix. 920.

a, b. Java. From the East India Company's collection.

#### PINACIA PLUMBEALIS.

**Mas et fœm.** *Plumbea; palpi nigri, basi lutei; abdominis fasciculus apicalis pallide luteus; tarsi pallide cinerei; alæ antice guttis duabus punctoque nigris.*

**Male and female.** Lead-colour. Proboscis testaceous. Palpi black, luteous towards the base. Abdominal tuft pale luteous. Tarsi and spurs pale cinereous. Fore wings with two black dots in the disk; one near the base; the other beyond the middle, with a black point in front of it. Length of the body 7—8½ lines; of the wings 18 lines.

The pectinated antennæ of the male distinguish *P. molybdænalis* from this species.

Celebes. In Mr. Saunders' collection.

## Genus OSERICANA.

**Mas.** Corpus sat gracile. Fasciculus frontalis productus. Proboscis brevis, gracilis. Palpi arcuati, oblique ascendentibus. Antennae longae, subsetulosae. Abdomen longum, alas posticas superans; fasciculus apicalis parvus. Pedes laeves, longiusculi, sed validi; tibiæ posticæ calcariis quatuor longissimis. Alæ ample. Alæ anticeæ acutæ, vix falcatae, costa perparum convexa, margine exteriore convexo obliquo.

**Male.** Body rather slender. Frontal tuft prominent. Proboscis short, slender. Palpi curved, obliquely ascending. Antennæ rather long, minutely setulose. Abdomen long, extending beyond the hind wings; apical tuft small. Legs smooth, rather long and stout; hind tibiæ with four very long spurs. Wings very ample. Fore wings acute, hardly falcate; costa very slightly convex, moderately oblique.

## OSERICANA ALBISTELLA.

**Mas.** Pallidissime murina; alæ anticeæ lituris tribus albis nigre marginatis, 1a punctiformi basali, 2a guttulari, 3a punctiformi; posticæ albido-cinereæ.

**Male.** Very pale mouse-colour. Fore wings with three white black-bordered discal marks; first mark forming a point near the base; second and third in the middle of the disk; second guttular, third punctiform. Hind wings whitish cinereous. Length of the body 10 lines; of the wings 24 lines.

*a, b.* Sumatra. From Sir Stamford Raffles' collection.

## Genus BALLATHA.

**Fem.** Corpus laeve, sat gracile. Proboscis gracillima. Palpi laeves, oblique ascendentibus, verticem paullo superantes; articulus 2us gracilis; 3us subclavatus, gracillimus, 2o longior. Antennæ graciles. Abdomen alas posticas paullo superans. Pedes glabri, graciles, longiusculi; calcaria longa, gracilia. Alæ anticeæ latiusculæ, apice subrotundatae, costa convexa, margine exteriore subconvexo sat obliquo.

**Female.** Body smooth, rather slender. Proboscis very slender. Palpi smooth, obliquely ascending, much longer than the breadth

of the head, rising a little higher than the vertex; second joint slender; third subclavate, very slender, rather longer than the second. Antennæ slender. Abdomen extending a little beyond the hind wings. Legs smooth, slender, rather long; spurs long, slender. Wings rather broad. Fore wings slightly rounded at the tips; costa convex; exterior border slightly convex, rather oblique; first, second and third inferior veins contiguous at the base; fourth remote from the third.

#### BALLATHA ATROTUMENS.

Fœm. *Cervina; caput et thorax chalybæo micantia; abdomen luteum; alæ anticæ fascia lata purpurascente-cinerea antice furcata, plaga basali, fascia obliqua antice abbreviata strigisque tribus e squamis chalybæis, macula postica atra tumida, macula apicali atra testaceo interlineata et marginata; postice testacea, vitta lata obscure fusca nonnunquam abbreviata.*

*Female.* Fawn-colour, luteous beneath. Head and thorax with glittering chalybeous scales. Abdomen luteous. Fore wings with a broad purplish cinereous band, which is forked in front, and of which one part joins the costa at two-thirds of the length, and the other joins the fore part of the exterior border; a patch on the base of the wing, a postmedial oblique band, which is abbreviated towards the costa, a transverse streak in the disk and two oblique costal streaks of glittering chalybeous scales; a tumid deep black spot on the middle of the interior border, and an elliptic deep black apical spot, the latter interlined and bordered with testaceous. Hind wings testaceous, with a broad irregular dark brown stripe, which is sometimes abbreviated. Length of the body 7 lines; of the wings 17 lines.

- a. Ceylon. Presented by Dr. Templeton.
- b. Ceylon. From the Rev. J. Wenham's collection.
- c. Ceylon. From Mr. Cuming's collection.

#### BALLATHA LÆTA.

Fœm. *Rufescente-cervina; abdomen aurato-flavum; alæ anticæ apice aurato-cinereo suffusæ, punctis duobus nigricantibus, strigis duabus cinereis obliquis fusco marginatis, subtus nigricantes linea subcostali plagaque apicali aurato-flavis.*

*Female.* Reddish fawn-colour. Body testaceous beneath. Third joint of the palpi much longer than the second. Abdomen and hind wings gilded yellow. Fore wings with two blackish points placed longitudinally in the disk; two oblique cinereous diffused brown-bordered streaks extending from the interior border to the disk; a gilded cinereous tinge about the tips; exterior border slightly convex and oblique; under side blackish, with a gilded yellow subcostal line and a gilded yellow apical patch. Length of the body 5 lines; of the wings 12 lines.

a. b. North Hindostan. From the collection of the Entomological Society.

c. Hindostan. From Archdeacon Clerk's collection.

#### Genus TRAUAXA.

*Mas.* Corpus sat gracile. Proboscis longiuscula. Palpi gracieles, brevissimi, squamoso-pilosi, oblique ascendentibus. Antennæ subpectinate. Abdomen lanceolatum, alas posticas sat superans; fasciculus apicalis minimus, subcompressus. Pedes lœves; calcaria longa, gracilia. Alæ breviusculæ, latiusculæ, margine exterior subflexo.

*Male.* Body rather slender. Proboscis somewhat long. Palpi obliquely ascending, slender, squamous-pilose, very short. Antennæ slightly pectinated. Abdomen lanceolate, extending somewhat beyond the hind wings; apical tuft very small, slightly compressed. Legs smooth; spurs long, slender. Wings rather short and broad; exterior border bent in the middle. Fore wings acute; third inferior vein four times more remote from the fourth than from the second.

#### TRAUAXA OBLIQUALIS.

*Mas.* *Alba*; abdomen pallide ochraceum; alæ antice plaga duabus viridibus, 1a maxima, 2a parva, striga intermedia obliqua ochracea nigro marginata, linea alba undulata, macula marginali nigra; postice striga brevi lineaque marginali albâ marginata obscure fuscis.

*Male.* White. Abdomen above with a pale ochraceous tinge. Fore wings with a very large concise dull green patch, which is divided by an oblique ochraceous black-bordered streak from a smaller less concise dull green patch, the latter extending to the exterior border; an undulating white transverse line; a black spot on the middle of the exterior border. Hind wings brownish cinereous.

white along the costa ; a little dark brown streak in the disk ; marginal line dark brown, white-bordered ; under side with a zigzag blackish submarginal line. Length of the body  $4\frac{1}{2}$  lines ; of the wings 10 lines.

a. *Ega*. From Mr. Bates' collection.

#### Genus CANIPSA.

*Mas.* Corpus sat robustum. Proboscis mediocris. Palpi labiales longi, lanceolati, recurvi, graciles, pilosi ; articulus 3us brevis, gracillimus. Palpi maxillares longi, dense pilosi et fimbriati, supra thoracem reflexi. Antennæ glabré, breviusculæ, sat validæ. Abdomen alas posticas superans. Pedes mediocres ; tibæ posticæ quadricalcaratæ. Alæ anticae breviusculæ, latiusculæ, apice subrotundatae.

*Male.* Body rather stout. Proboscis moderately long. Labial palpi lanceolate, slender, pilose, recurved over the head to the fore part of the thorax ; third joint very slender and acute, not more than one-fourth of the length of the second. Maxillary palpi densely pilose and fringed, recumbent on the thorax and extending to the base of the abdomen. Antennæ smooth, rather short and stout. Abdomen extending beyond the hind wings. Legs moderately long and slender, not pilose ; hind tibæ with four long spurs. Wings rather short and broad. Fore wings slightly rounded at the tips ; exterior border convex, moderately oblique.

Allied to *Macalla*. This genus and the following one have some affinity to the *Pyralites*.

#### CANIPSA SUSPENSALIS.

*Mas.* *Alba* ; *caput pallide cervinum* ; *alæ argenteo squamosæ* ; *antica costa marginaque exteriore cervinis*, *lineolis duabus albis*, *fasciculo apud marginem exteriorem strigisque quatuor discalibus nigricantibus* ; *posticæ lineis duabus fuscis indeterminatis*, *squamis nonnullis nigris*.

*Male.* White, shining. Head and palpi pale fawn-colour. Abdomen tinged with fawn-colour towards the tip. Wings with some silvery scales. Fore wings fawn-coloured along the costa and along the exterior border ; this hue is intersected by two transverse white lines, of which the first is abbreviated hindward ; a tuft of blackish scales at the base of the interior border, and four blackish squamous streaks in the disk. Hind wings with indications of two

brown lines, which are accompanied by some black scales. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

### Genus CALINIPAXA.

*Mas.* Corpus sat robustum. Caput cornubus duobus erectis latis lanceolatis fimbriatis; oculi magni. Proboscis nulla. Palpi suberecti, verticem paullo superantes; articulus 2us validus, pubescens; 3us gracilis, lanceolatus, 2o brevior. Antennæ pubescentes. Pedes lèves; calcaria longa. Alæ anticæ elongatæ, latiusculæ, acutæ.

*Male.* Body rather stout. Head armed between the antennæ with two erect lanceolate broadly fringed appendages. Eyes large, prominent. Proboscis obsolete. Palpi nearly erect, rising a little higher than the vertex; second joint stout, pubescent; third slender, lanceolate, shorter than the second. Antennæ pubescent. Legs smooth, moderately stout; spurs long. Wings elongate, rather broad. Fore wings acute; costa straight; exterior border slightly convex, moderately oblique.

### CALINIPAXA VALIDALIS.

*Mas.* *Aeneo-cinerea*; alæ linea marginali fusca interrupta; anticæ basi lineisque duabus vix obliquis fuscis, 1a denticulata antice dilatata, 2a subdenticulata.

*Male.* Cinereous, shining, with æneous reflections; wings with a brown marginal line, which is interrupted by the veins. Fore wings brown towards the base, and with two brown transverse hardly oblique lines; first line denticulated, dilated in front, broader than the second, which is slightly denticulated and beyond the middle. Length of the body 5 lines; of the wings 10 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

### Genus SELCA.

*Mas.* Corpus sat robustum. Proboscis brevis. Palpi porrecti, validi, squamosi, capitis latitudine breviores; articulus 3us parvus. Antennæ breves, sat late pectinatæ. Pedes robusti, glabri; calcaria breviuscula, valida. Alæ anticæ latæ, apice subrotundatæ, margine exteriore obliquo vix convexo.

**Male.** Body moderately stout. Proboscis short. Palpi porrect, stout, squamous, shorter than the breadth of the head; third joint minute. Antennæ short, rather broadly pectinated. Legs stout, smooth; spurs rather short and stout. Wings broad. Fore wings slightly rounded at the tips; exterior border hardly convex, moderately oblique.

#### SELCA LATIFASCIALIS.

Mas. *Albida, subtus cinerea; alæ anticæ fascia fusca media lata subundulata nigro conspersa vulde excavata, linea submarginali fuscescente angulosa indistincta, costæ dimidio basali fuso; posticæ pallide cinereæ.*

**Male.** Whitish, cinereous beneath. Fore wings with a broad brown slightly undulating much excavated middle band, which is speckled with black; an indistinct zigzag brownish submarginal line; costa brown from the base to the band. Hind wings pale cinereous. Length of the body 3 lines; of the wings 7 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

#### SELCA SABULOSALIS.

Mas. *Fuscescente-cinerea; antennæ pectinatae; alæ anticæ apice rotundatae, costa perparum convexa, margine exteriore subconvexo sat obliquo; posticæ cinereæ.*

**Male.** Brownish cinereous. Antennæ moderately pectinated. Legs hardly stout. Fore wings rounded at the tips; costa very slightly convex; exterior border slightly convex, rather oblique. Hind wings cinereous. Length of the body 4 lines; of the wings 10 lines.

a. Sarawak, Borneo. From Mr. Wallace's collection.

#### Genus GOGANA.

*Mas. Corpus robustum. Proboscis mediocris. Palpi læves, oblique ascendentibus, verticem non attingentes; articulus 3us brevissimus. Antennæ validæ, glabré. Abdomen alas posticæ non superans. Pedes læves, sat robusti; calcaria longissima. Alæ anticæ breviusculæ, latiusculæ, apice rotundatæ, costa basi convexa, margine exteriore antice concavo postice convexo; posticæ margine exteriore postico subtruncato.*

*Male.* Body stout. Proboscis of the usual length. Palpi smooth, obliquely ascending, not rising so high as the vertex; third joint extremely short. Antennæ stout, smooth. Abdomen not extending beyond the hind wings. Legs smooth, rather stout; hind tibiae with four very long spurs. Wings rather short and broad. Fore wings somewhat rounded at the tips; costa convex towards the base; exterior border concave in front, convex hindward. Hind wings with the exterior border slightly truncated hindward.

#### GOGANA SPECULARIS.

*Mas.* *Purpureo-cinerea*; alæ ochraceo lineis obscurioribus paucis indistinctis, linea submarginali subarcuata e punctis albidis, linea marginali fusca, fimbria alba fusco notata; antice fascia postmedia flexa abbreviata e maculis quinque subhyalinis connexis fusco marginatis.

*Male.* Purplish cinereous, a little paler beneath. Wings with a very few indistinct darker lines, more or less tinged with ochraceous; a submarginal slightly curved line of whitish points; marginal line dark brown; fringe white, with some dark brown marks. Fore wings with an abbreviated exterior bent band, composed of five connected brown-bordered nearly hyaline spots. Length of the body 5 lines; of the wings 14 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

#### Genus GABALA.

*Mas.* Corpus robustum. Proboscis brevissima. Palpi validi, subascendentes, capitidis latitudine multo longiores; articulus 2us subfimbriatus; 3us linearis, 2o non brevior, apice obtusus et subfusciculatus. Antennæ setulosæ. Alæ antice latæ, apice rectangulæ, costa convexa, margine exteriore subrecto vix obliqua.

*Male.* Body stout. Proboscis very short. Palpi stout, slightly ascending, very much longer than the breadth of the head; second joint slightly fringed above; third linear, as long as the second, obtuse and slightly tufted at the tip. Antennæ minutely setulose. Fore wings broad, rectangular at the tips; costa convex; exterior border nearly straight, very slightly oblique.

## GABALA POLYSPILALIS.

**Mas.** *Ochracea; caput vertice albo lineis duabus ochraceis, linea antica transversa alba; palpi fuscescentes; thorax lineis tribus transversis ochraceis; abdomen ochraceo vittatum; alæ anticæ maculis guttisque argenteo-albis, lineis duabus postmedialis angulosis pallide ochraceis; posticæ albæ, ochraceo marginatæ.*

**Male.** Ochraceous, silvery white beneath. Head with the vertex and a transverse line in front silvery white; vertex with two ochraceous lines which converge hindward. Palpi brownish, white beneath towards the base. Thorax white, with three transverse irregular ochraceous lines. Abdomen white, with an indeterminate ochraceous stripe. Fore wings with several silvery white spots and dots near the base and along the costa and the exterior border; two indistinct zigzag postmedial pale ochraceous lines, which are accompanied by some black speckles. Hind wings white, ochraceous towards the exterior border. Length of the body 6 lines; of the wings 12 lines.

a. Hindostan. From the Entomological Society's collection.

## Genus THELDA.

**Mas.** Corpus gracile. Proboscis mediocris. Palpi graciles, porrecti, capitis latitudine multo breviores; articulus 2us subtus late fimbriatus; 3us longi-conicus, brevissimus. Antennæ graciles, costatae, fasciculo parvo antemedio. Abdomen lanceolatum, alas posticas paullo superans; fasciculus apicalis parvus, compressus. Pedes longi, graciles, laves; tibiæ mediæ dilatatae; tibiæ posticæ apud medium dense fasciculatae; calcaria longa, gracilia. Alæ anticæ acutæ, sat angustæ, costa basi subconvexa, margine exteriore vix convexo sat obliquo; posticæ costa basi dilatata, margine exteriore subcaudato.

**Male.** Body slender. Proboscis of the usual length. Palpi slender, porrect, very much shorter than the breadth of the head; second joint broadly fringed beneath; third elongate-conical, not more than one-sixth of the length of the second. Antennæ slender, ribbed, with a minute tuft at a little beyond one-third of the length. Abdomen lanceolate, extending a little beyond the hind wings; apical tuft small, compressed. Legs smooth, long, slender; middle tibiæ dilated; hind tibiæ densely tufted along the middle part;

spurs long, slender. Fore wings acute, rather narrow; costa slightly convex towards the base; exterior border hardly convex, rather oblique. Hind wings with the costa dilated towards the base; middle part of the exterior border produced into a short broad tail.

#### THELDA DESCRIPTALIS.

*Mas.* *Pullide cervina*; *abdominis segmenta argenteo-albo marginata*; *tibiæ posticæ nigro fasciculatæ*; *alæ iridescentes, lineis duabus fuscis subundulatis*; *anticæ albæ, cervino marginatæ, linea basali fusca flexu, costæ dimidio apicali albo maculis quinque cervinis fusco marginatis, maculis duabus fuscis subcostalibus, maculis duabus fuscis marginalibus albo marginatis*; *posticæ macula marginali fusca albo marginata*.

*Male.* Pale fawn-colour. Abdomen with the hind borders of the segments and the under side silvery white. Legs silvery white; anterior tibiæ mostly blackish; hind tibiæ with a black tuft. Wings iridescent, with two brown slightly undulating lines; marginal line brown, white-bordered. Fore wings mostly white, except along the costa and along the exterior border; a brown bent line near the base; apical half of the costa white, with five fawn-coloured brown-bordered spots which successively decrease in size; two brown subcostal spots, the second connected with the first costal spot; two brown white-bordered spots, one on the exterior border before the middle, the other on the end of the interior border. Hind wings with a brown white-bordered spot on the exterior border near the interior angle. Length of the body 4 lines; of the wings 9 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### Genus OROSA.

*Fæm.* Corpus sat robustum. Proboscis brevis. Palpi gracieles, squamosi, oblique ascendentibus, verticem paullo superantes; articulus 3us lanceolatus, 2o vix brevior. Antennæ breviuscule, sat graciles. Abdomen alas posticas paullo superans. Pedes glabri, breves. Alæ anticæ breviuscule, latiusculæ, apice subrotundatæ, costa convexa, margine exteriore vix obliquo.

*Female.* Body rather stout. Proboscis short. Palpi squamous, slender, obliquely ascending, as long as the breadth of the head, rising a little higher than the vertex; third joint lanceolate, nearly as long as the second. Antennæ rather short and slender. Abdomen extending a little beyond the hind wings. Legs smooth,

short; spurs moderately long and stout. Wings rather short and broad. Fore wings slightly rounded at the tips; costa convex; exterior border convex, hardly oblique; second inferior vein nearer to the first than to the third; fourth remote from the third.

This genus has a resemblance to *Gadirtha*, and to some other groups of *Hypogrammidæ*.

#### OROSA TORTRICOIDES.

**Fœm.** *Cinerea, ale antice lineis duabus basalibus diffusis, lituris tribus antemediis, linea exteriore punctulari plaga posica parva nigris, linea submarginali nigricante angulosa indistincta.*

**Female.** Cinereous, paler beneath. Fore wings with two black basal diffuse lines which extend across half the breadth from the costa; an antemedial line composed of three small black marks; of these the second is much shorter than the first and much narrower than the third, which is near the interior border; an exterior line of black points, which is much curved outward, and approaches the preceding line at each end, and is accompanied by a small black patch near the interior border; an indistinct zigzag blackish submarginal line. Length of the body  $3\frac{1}{2}$  lines; of the wings  $9\frac{1}{2}$  lines.

**a. Ceylon.** From Mr. Stevens' collection.

#### Genus MAGUZA.

**Mas.** Corpus robustum. Proboscis mediocris. Palpi squamosi, sat graciles, oblique ascendentes, verticem non superantes; articulus 3us conicus, minimus. Antennæ robustæ, glabré. Abdomen alas posticas longe superans; fasciculus apicalis sat parvus. Pedes robusti, subpilosæ; calcaria gracilia, breviuscula. Alæ antice elongatæ, apice rotundatæ, margine exteriore subflexo.

**Male.** Body stout. Proboscis of the usual length. Palpi squamous, rather slender, obliquely ascending, not rising higher than the vertex, much shorter than the breadth of the head: third joint conical, not more than one-sixth of the length of the second. Antennæ robust, smooth. Abdomen extending much beyond the hind wings; apical tuft rather small. Legs stout, slightly pilose; spurs slender, rather short. Wings elongate. Fore wings rounded at the tips; exterior border forming a slight rounded angle in the middle; third inferior vein rather remote from the second.

**MAGUZA ALBICUTTALIS.**

**Mas.** *Subcervino-cinerea; alæ æneo-cervinæ; anticæ lineis quatuor e guttis albis, gutta discali alba; posticæ linea albida angulosa submarginali.*

**Male.** Cinereous, with a tinge of fawn-colour. Wings æneous fawn-colour; under side with an oblique brown line at two-thirds of the length. Fore wings with four irregular lines of white dots; a white dot in the disk between the second and third lines; fourth line composed of very small dots. Hind wings with a whitish zig-zag submarginal line. Length of the body 6 lines; of the wings 14 lines.

**Brazil.** In Mr. Saunders' collection.

Tribe PYRALITES, *C. L. H.* xvii. 255.

Fam. ODONTIDÆ. *C. L. H.* xvii. 256.

Genus CYNEDA, *C. L. H.* xvii. 256.

**CYNEDA? ZAIDE.**

*Phalæna Zaide, Stett., Cram. Pap. Exot. v. pl. 36, f. 6—Botys cruralis, Zll. Lep. Caffr. 49—Cynæda? Athalialis, Cat. Lep. Het. xvii. 258.*

**Genus HILAOPSIS.**

*Hilaopsis, Ld. Wien. Ent. Mon. vii. 358.*

**HILAOPSIS COMPOSITALIS.**

*compositalis, Ld. Wien. Ent. Mon. vii. pl. 8, f. 3.*

Rio Janeiro.

**Genus DEUTEROLLYTA.**

*Deuterollyta, Ld. Wien. Ent. Mon. vii. 358, pl. 4, f. 15.*

**DEUTEROLLYTA CONSPICUALIS.**

*conspicualis, Ld. Wien. Ent. Mon. vii. pl. 7, f. 16, 17.*

Brazil.

## Genus CACOGRAPHIS.

Cacographis, *Zll. Ld. Wien. Ent. Mon.* vii. 360, pl. 4, f. 14.

## CACOGRAPHIS OSTEOLALIS.

osteolalis, *Zll. Ld. Wien. Ent. Mon.* vii. pl. 8, f. 1.

Venezuela.

## CACOGRAPHIS CANCELLALIS.

Botys cancellalis, *Zll. Lep. Caffr.* 34.

Caffraria.

Fam. PYRALIDÆ, *C. L. H.* xvii. 259.

Genus PYRALIS, *C. L. H.* xvii. 260.

## PYRALIS RUBELLALIS.

rubellalis, *Zll. Lep. Caffr.* 20.

Natal.

## PYRALIS INTERMEDIALIS.

intermedialis, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 118.

Haiti.

## PYRALIS EXTERNALIS.

externalis, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 119.

Brazil.

## PYRALIS ? VARIPIES.

varipes, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 119.

Amazon Region.

## PYRALIS PROXIMALIS.

proximalis, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 120.

Hindostan.

## PYRALIS NIGRICALIS.

nigricalis, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 120.

Tasmania.

**PYRALIS COSTIGERALIS.**

*costigeralis*, Wlk. *Trans. Ent. Soc. Lond.* 3rd Ser. i. 121.  
Sydney.

**PYRALIS CREINALIS.**

*cereinalis*, Wlk. *Trans. Ent. Soc. Lond.* 3rd Ser. i. 121.  
Tasmania.

**PYRALIS ? COSTIGERALIS.**

Mas. *Albida*; *palpi oblique ascendentes, extus fuscantes, verticem non superantes, articulo 2o subtus dense fimbriato, 3o lanceolato; antennae setosae; alae anticæ apice subrotundatae, nigro subconspersæ, roseo suffusæ, plagiis duabus costalibus, linea intermedia costuli, macula subcostali lineisque duabus exterioribus denticulatis nigris.*

*Male.* Whitish. Palpi obliquely ascending, brownish on the outer side, a little shorter than the breadth of the head, not rising higher than the vertex; second joint with a short thick fringe beneath; third lanceolate, much shorter than the second. Antennæ stout, setose. Abdomen extending beyond the hind wings. Legs stout, smooth. Fore wings somewhat rounded at the tips, with a few black speckles and with a rosy tinge, except along the interior border; two black costal patches; one at the base, the other nearly apical; an intermediate black costal line; a black subcostal spot behind the middle of the line; two black denticulated lines near the exterior border, which has a row of black points. Hind wings with brown marginal points. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

a. United States. Presented by E. Doubleday, Esq.

**PYRALIS PERFUSALIS.**

Mas et fœm. *Alba*; *palpi graciles, verticem superantes, articulo 2o subtus pilosissimo, striga obliqua ochracea nigro conspersa, 3o lanceolato apice ochraceo; thorax ochraceo quinque guttatus; ale fascia media lata dentata pallide ochracea nigricante submarginata, fascia submarginali angusta undulata pallide ochracea, linea marginali ochracea.* Mas.—*Abdomen cervinum segmentis fusco maculatis albo marginatis, basi album maculis quatuor ochraceis.* Fœm.—*Abdominis segmenta nigricante fasciata.*

*Male and female.* White. Palpi slender, obliquely ascending, rising higher than the vertex; second joint very pilose beneath, with an ochraceous black-speckled oblique streak on the outer side; third lanceolate, ochraceous towards the tip, much shorter than the second. Thorax with two ochraceous dots on each side in front, and with one near the hind border. Wings with a broad dentate oblique middle pale ochraceous slightly blackish-bordered band, and with a narrow undulating pale ochraceous submarginal band; marginal line deeper ochraceous. *Male*.—Antennæ stout. First and second abdominal segments with a transverse ochraceous spot on each; the following segments from the third to the eighth fawn-colour, with white hind borders and with a brown triangular spot on each. Wings with the band black-speckled towards the interior border. *Female*.—Antennæ slender. Abdominal segments, except the first, with broad blackish bands. Wings with the band much more black-speckled than that of the male. Length of the body 3 lines; of the wings 9 lines.

a, b. North America. From Mr. Carter's collection.

#### PYRALIS DISPARALIS.

Mas. *Cervina; palpi breves, oblique ascendentibus, articulo 2o lato, 3o conico; pedes robusti, tibiis tarsiisque anticis nigricantibus cinereo fasciatis; alæ anticæ subacutæ, linea basali abbreviata, plaga postica, linea postmedia interrupta, punctis duobus costalibus punctisque marginalibus nigris, reniformi angusta nigricante marginata; posticæ cinereæ, semihyalinae, litura, linea exteriore undulata interrupta punctisque marginalibus elongatis nigricantibus.*

*Male.* Fawn-colour, cinereous beneath. Palpi obliquely ascending, squamous, not rising so high as the vertex, very much shorter than the breadth of the head; second joint broad; third conical, minute, not more than one-fourth of the length of the second. Antennæ smooth. Abdomen extending a little beyond the hind wings. Legs stout, smooth; spurs long, slender; fore tibiæ and fore tarsi blackish above, with cinereous bands. Wings elongate. Fore wings slightly acute, with an incomplete black line at the base, with a black patch near the interior border at one-third of the length, and with an abbreviated outward-curved black line at three-fourths of the length, the hind part of this line composed of points; two black points on the costa in front of the reniform mark, which is narrow and blackish-bordered; marginal points black; exterior

border convex, very oblique. Hind wings cinereous, semihyaline, with a blackish mark in the disk and with an exterior undulating interrupted blackish line; marginal points blackish, elongated. Length of the body 6 lines; of the wings 16 lines.

a. Jamaica. From Mr. Gosse's collection.

#### PYRALIS DISPANSALIS.

Mas. *Ferrugineo-fusca; palpi verticem non superantes, articulo 3o minimo; antennæ glabrae; alæ anticæ fascia media rufescente-cinerea lata arcuata cinereo pallido marginata, spatio exteriore pallide ferrugineo-fusco; posticæ fuscescente-cinerea.*

**Male.** Ferruginous-brown. Proboscis short. Palpi smooth, obliquely ascending, not rising so high as the vertex; third joint very minute. Antennæ smooth. Abdomen extending rather beyond the hind wings; apical tuft large. Legs smooth. Fore wings with a broad curved reddish cinereous middle band, which is bordered with pale cinereous on each side; exterior border convex, moderately oblique; space between this band and the exterior border paler than the basal part of the wing. Hind wings brownish cinereous. Length of the body 3 lines; of the wings 7 lines.

a—c. St. Domingo. From Mr. Tweedie's collection.

#### PYRALIS DIFFERALIS.

Mas. *Cinereo-fusca; palpi robusti, oblique ascendentibus, verticem non superantes, articulo 3o conico; antennæ glabrae; alæ lineis duabus cinereis subangulosis opposite nigricante marginatis, guttis marginalibus nigricantibus; unica linea basali lineaque submarginali undulata cinereis nigricante marginatis, costa marginaque exteriore cervinis.*

**Male.** Cinereous-brown. Body beneath and legs silvery white. Palpi stout, squamous, obliquely ascending, not rising higher than the vertex; third joint conical, not more than one-fourth of the length of the second. Antennæ smooth. Abdomen extending rather beyond the hind wings. Legs smooth, slender. Wings moderately broad, with two cinereous slightly zigzag lines; first line antemedial, blackish-bordered on the outer side; second post-medial, blackish-bordered on the inner side; marginal dots blackish; under side shining æneous-cinereous. Fore wings slightly rounded at the tips; a cinereous line very near the base and an

undulating cinereous line beyond three-fourths of the length, both blackish-bordered on the inner side; costa and space along the exterior border fawn-colour; exterior border slightly convex, rather oblique. Length of the body  $2\frac{1}{2}$  lines; of the wings 7 lines.

a. St. Domingo. From Mr. Tweedie's collection.

### PYRALIS? GELIDALIS.

**Mas et fœm.** *Pallide cinerea; palpi robusti, oblique ascendentibus, articulo 3o parvo; abdomen albidum, alas posticas paullo superans; alæ anticae apice subrotundatae, fasciis duabus postice approximatis plagaque costali intermedia æneo-fuscis; posticæ fuscae, fimbria pallide cinerea.*

**Male and female.** Pale cinereous. Body beneath and legs white. Palpi stout, squamous, obliquely ascending, not rising higher than the vertex, much shorter than the breadth of the head; third joint not more than one-fourth of the length of the second. Antennæ of the male pubescent. Abdomen whitish, extending a little beyond the hind wings. Legs smooth, rather stout. Fore wings slightly rounded at the tips, with two æneous-brown bands, which converge towards each other hindward, and with an intermediate æneous-brown costal patch; first band very near the base; second undulating and concise on the inner side, slightly diffuse on the outer side, which is near the exterior border; the latter is slightly convex and moderately oblique. Hind wings brown; fringe pale cinereous, except at the base. Length of the body 3— $3\frac{1}{2}$  lines; of the wings 7—8 lines.

a, b. St. Domingo. From Mr. Tweedie's collection.

### PYRALIS? SUBDUCTALIS.

**Fœm.** *Pallide ochracea; palpi erecti, sat graciles, verticem paullo superantes, articulo 3o longi-conico; alæ punctis marginalibus nigris; anticae plaga basali, linea antemedia dentata, linea postmedia dentata arcuata, lunula intermedia plagaque marginali nigricantibus; posticæ albidae, semihyalinae, margine exteriore subaurato.*

**Female.** Pale ochraceous. Body beneath and legs silvery white. Palpi smooth, erect, rather slender, rising a little higher

than the vertex, much shorter than the breadth of the head; third joint elongate-conical, less than half the length of the second. Abdomen extending a little beyond the hind wings. Legs smooth, slender. Wings moderately broad, with black marginal points; under side pale cinereous, gilded. Fore wings acute, with a blackish basal patch, which occupies the whole breadth and is partly connected with a blackish dentate line; a postmedial blackish dentate line, which is much curved outward towards the costa; a blackish lunule in the disk between the lines; a blackish patch by the hind part of the exterior border, which is slightly convex and oblique. Hind wings whitish, semihyaline, slightly gilded along the exterior border. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

a. Venezuela. From Mr. Dyson's collection.

#### PYRALIS? CONTRACTALIS.

*Ochracea, robusta; alæ latiusculæ, nigro subconspersæ, puncto lineaque exteriore vix undulata nigris; antica linea basali angulosa punctisque marginalibus nigris; postica linea duabus postmediis nigricantibus.*

Ochraceous, stout, paler beneath. Legs smooth, moderately stout. Wings rather broad, slightly and minutely black-speckled, with a black point in the disk and with an exterior black hardly undulating line. Fore wings hardly acute, with a slight zigzag black line near the base; marginal points black; exterior border nearly straight, rather oblique. Hind wings with two blackish exterior lines besides the one above mentioned. Length of the body  $2\frac{1}{2}$  lines; of the wings 6 lines.

a. Limas, Honduras. Presented by H. T. Stainton, Esq.

#### PYRALIS CURTALIS.

*Mas et fœm. Crassa, obscure purpurascente-cinerea; palpi porrecti, caput per paullo superantes, articulo 3o brevissimo; tarsi postici basi tibiæque posteriores dense pilosa; tarsi posteriores albi; alæ antica obscure ochraceæ, basi purpuracente-cinereæ, fascia lata ochraceo-albida nigro marginata.*

*Male and female.* Dark purplish cinereous, very stout. Palpi porrect, smooth, extending very little beyond the head; third joint extremely short. Antennæ of the male pubescent. Abdomen extending a little beyond the hind wings. Posterior tibiæ densely

clothed with squamous hairs; posterior tarsi white; hind tarsi densely clothed towards the base with purplish cinereous hairs. Fore wings dark ochraceous, rounded at the tips, purplish cinereous at the base, with a broad whitish concisely black-bordered middle band, which is partly tinged with ochraceous; space beyond this band tinged with purplish cinereous, except towards the costa; exterior border slightly convex, hardly oblique. Length of the body 3 lines; of the wings 6 lines.

a—e. Limas, Honduras. Presented by H. T. Stainton, Esq.

#### PYRALIS? BURSARIALIS.

*Mas. Pallide ochracea; palpi breves, porrecti, subdeflexi, articulo 2o latiusculo, 3o minimo; pedes validi, rufi, tibiis anticis penicillatis, tibiis intermediis albido conspersis, tibiis posticis fimbriatis, tarsis posticis albis; alæ antice tegula costali rufa, macula ochracea, lineis tribus purpurascensibus, 1a flexa, 2a undulata, 3a marginali; posticæ cinereæ.*

*Male.* Pale dull ochraceous, stout. Palpi porrect, pubescent, slightly diverging, very much shorter than the breadth of the head; second joint rather broad; third extremely minute. Antennæ stout, minutely crenulate and pubescent. Abdomen extending a little beyond the hind wings; apical tuft rather large. Legs stout, red; fore tibiae with a penicillate tuft; middle tibiae whitish-speckled; hind tibiae fringed; joints of the middle tarsi with white tips; hind tarsi white. Fore wings with three purplish lines; first line much bent outward in front, bordering a bright ochraceous spot, which has at its base a red lappet; second line undulating; third marginal; exterior border straight, hardly oblique. Hind wings cinereous. Length of the body 3 lines; of the wings 6 lines.

a. Limas, Honduras. Presented by H. T. Stainton, Esq.

#### PYRALIS? NOCTUALIS.

*Mas. Aeneo-cinerea; abdomen trifasciculatum, alas posticas dimidio superans, segmentis albido marginatis, tibiæ anticæ robustæ subtus pilosæ; alæ anticæ puncto lineaque atomaria nigris, macula postmedia albida elongata atomis nigris submarginata, linea submarginali albida angulosa fusco submarginata.*

**Male.** Eneous-cinereous, whitish beneath. Antennæ stout, densely setose. Abdomen extending for half its length beyond the hind wings; hind borders of the segments whitish; first, second and third segments with small tufts; apical tuft elongate. Legs slender; tarsi with blackish bands; fore tibiæ stout, pilose beneath. Fore wings hardly acute, with a black point at the base, and with an irregular line near the base composed of black speckles; a whitish elongated postmedial spot, which is partly bordered on the outer side by black speckles; a submarginal whitish zigzag line partly and diffusely bordered with brown on the inner side; marginal points blackish; exterior border convex, slightly oblique. Length of the 5 lines; of the wings 10 lines.

a. Venezuela. From Mr. Dyson's collection.

#### PYRALIS PLUMBEALIS.

Mas. *Cinereo-fusca, robusta, vix purpurascens; alæ elongatae, lunulis marginalibus nigris cinereo marginatis; antice fascia media lata obscure fusca nigro cinereoque marginata, linea exteriore cinerea angulosa nigro latissime marginata.*

**Male.** Cinereous-brown, stout, with a slight purplish tinge. Antennæ setose. Legs stout, smooth. Wings elongate, with black cinereous-bordered marginal lunules. Fore wings slightly acute, with a broad dark brown middle band, which is bordered on each side with black and with cinereous; an exterior zigzag cinereous line, which is irregularly and very broadly black-bordered on the inner side; three cinereous costal points near the tip; exterior border convex, very oblique. Length of the body 3? lines; of the wings 8 lines.

a. Ega. From Mr. Bates' collection.

#### PYRALIS? CRASSIPES.

*Cinereo-rufa, robusta; palpi robusti, oblique ascendentes, articulo 3o longi-conico; pedes breves, validi, tibiis intermediis dense fimbriatis, tibiis posticis subfimbriatis; alæ late, linea marginali cinerea; antice apice rotundata, fasciis duabus latis saturate rufis cinereo marginatis; postice æneo-fuscæ, linea submarginali cinerea angulosa.*

Cinereous-red, smooth, stout. Palpi obliquely ascending, not rising higher than the vertex; third joint elongate-conical, not more

than one-third of the length of the second. Legs short, stout; middle tibiae densely fringed; hind tibiae slightly fringed. Wings broad; marginal line cinereous. Fore wings rounded at the tips, with two broad deep red bands; first band antemedial, narrower towards the interior border, bordered on the outer side by a curved cinereous line; second marginal, bordered on the inner side by an undulating cinereous line; exterior border slightly convex and oblique. Hind wings æneous-brown, with a zigzag cinereous submarginal line. Length of the body  $3\frac{1}{2}$  lines; of the wings 9 lines. Brazil. In Mr. Saunders' collection.

#### PYRALIS? HUMERALIS.

*Fœm.* Pallide cinereu, cervino subtincta; palpi parvi; antennæ subserratae, subpubescentes, lineis duabus fuscis subundulatis, fasciis duabus fuscis valde undulatis; anticeæ acutis puncto discali nigricante.

*Male.* Pale cinereous, with a slight tinge of fawn-colour. Proboscis distinct. Palpi prorect, much shorter than the breadth of the head; third joint very minute. Antennæ very minutely serrated and pubescent. Abdomen not extending beyond the hind wings; apical tuft small. Wings ample; interior and exterior lines brown, slightly undulating; a very diffuse brown band on the inner side of the interior line and another on the outer side of the exterior line. Fore wings acute, with a blackish discal point near the costa. Length of the body 5 lines; of the wings 14 lines.

South Africa. In Mr. D'Urban's collection.

#### PYRALIS? SUBJECTALIS.

*Fusca; palpi robusti, squamosi, subarcuati, verticem superantes, articulo 3o minimo; pedes validi, læves; aleæ anticeæ sat angustæ, apice rotundatae, macula antemedia nigricante, fascia exteriore lineam fuscum angulosam includente lineaque adhuc exteriore cervinalis angulosis; posticeæ cinereæ, fuscescente marginatae.*

Brown, cinereous beneath. Palpi stout, squamous, slightly curved, rising higher than the vertex, not longer than the breadth of the head; third joint extremely minute. Abdomen cinereous. Legs stout, smooth. Fore wings rather narrow, rounded at the tips, with

a blackish antemedial spot, with an exterior fawn-coloured band, which contains a zigzag brown line, and with a more exterior zigzag fawn-coloured line; marginal points black; exterior border slightly convex, moderately oblique. Hind wings cinereous, brownish towards the exterior border; under side with a brown dot in the disk, with an exterior zigzag brown line, and with a marginal brown band, which contains a zigzag cinereous line. Length of the body 6 lines; of the wings 14 lines.

Cape. In Mr. Saunders' collection.

#### PYRALIS DECESSALIS.

Mas. *Rosea*; *palpi erecti, verticem non superantes, articulo 3o minimo; alæ lineis duabus subpallidioribus rufescente marginatis, linea marginali pallide cinerea; anticæ linea submarginali subpallidiore rufescente marginata, punctis costalibus cinereis elongatis.*

*Male.* Rosy red. Palpi erect, squamous, not rising higher than the vertex; third joint conical, not more than one-sixth of the length of the second. Antennæ minutely pubescent. Abdomen extending rather beyond the hind wings; apical tuft very small. Legs rather slender; tips of the tarsal joints pale cinereous. Wings with two undulating slightly paler dark reddish-bordered lines, and with a pale cinereous marginal line. Fore wings rectangular at the tips; a nearly straight slightly paler dark reddish-bordered submarginal line; costa with elongated cinereous points. Length of the body 4 lines; of the wings 9 lines.

a. Ceylon. Presented by Dr. Templeton.

#### PYRALIS? THYRALIS.

Fœm. *Chalybæo-cinerea, crassa; palpi porrecti, graciles, caput paullo superantes, articulo 3o conico; antennæ robustæ; abdomen apice rufescens; alæ anticæ plaga postmedia flava rufomarginata, guttis quinque hyalinis nigro marginatis, margine exteriore subangulato; posticæ subtus ferrugineo tessellatae.*

*Female.* Chalybeous-cinereous, shining, smooth, very stout. Palpi smooth, slender, porrect, extending a little beyond the head; third joint conical, less than one-fourth of the length of the second. Antennæ smooth, stout. Abdomen reddish at the tip, not extending beyond the hind wings. Legs smooth. Wings rather broad, with a

red marginal line, which is broadest near the interior angle of the hind wings. Fore wings acute, with a yellow transverse discal post-medial red-bordered patch, which is accompanied by five vitreous black-bordered dots, two on its outer side and three on its inner side; four black elongated costal points near the tip; exterior border slightly angular in the middle. Hind wings with the interior angle prominent; under side tessellated with ferruginous. Length of the body 2 lines; of the wings 6 lines.

a. Ceylon. From M. Nietner's collection.

#### PYRALIS SUFFUSALIS.

*Mas.* Obscure rufa; palpi oblique ascendentes, verticem non superantes, articulo 3o brevissimo; antennæ subserratae, setosæ; alæ fimbria lutea; anticæ maculis duabus costalibus luteis.

*Male.* Dark red, stout. Palpi squamous, obliquely ascending, not rising higher than the vertex; third joint very short. Antennæ setose, minutely serrated. Abdomen extending a little beyond the hind wings; apical tuft very small. Legs stout, smooth. Wings with a luteous fringe. Fore wings acute, with two luteous costal spots, one at one-third of the length, the other at two-thirds of the length; exterior border slightly convex, rather oblique. Length of the body 5—6 lines; of the wings 12—14 lines.

The dull colour of this species distinguishes it from *P. Pelargalis*, to which it is closely allied.

a—c. Hindostan. From the collection of the Entomological Society.

#### PYRALIS TENEBROSALIS.

*Fæm.* Ochracea, nigricante conspersa; palpi porrecti, subtus albidi, articulo 3o longi-conico; abdomen fuscum, segmentis ochraceo marginatis; alæ punctis marginalibus nigricantibus, fimbria albido-cinerea; anticæ vix acutaæ, maculis quinque subcostalibus, plaga costali playaque postica nigricantibus.

*Female.* Dull ochraceous, thickly blackish-speckled, dingy ochraceous-cinereous beneath. Palpi porrect, whitish beneath, shorter than the breadth of the head; third joint elongate-conical, less than half the length of the second. Abdomen brown, hardly extending beyond the hind wings; hind borders of the segments

dull ochraceous. Wings moderately broad, with blackish marginal points and with a whitish cinereous fringe. Fore wings hardly acute, with five blackish subcostal spots and with two blackish patches; first patch costal, between the fourth and fifth spots; second near the interior angle, behind the first, which it exceeds in size; exterior border convex, moderately oblique. Hind wings æneous-tinged. Length of the body 4 lines; of the wings 10 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

#### PYRALIS ROSEALIS.

Fœm. *Roseo-rufa, subitus argenteo-cinerea; palpi lœves, breves, oblique ascendentibus, articulo 3o minimo; antennæ gracillimæ; pedes lœves, graciles; alæ elongatæ, fascia argenteo-albida nigro marginata; anticæ fascia latissima maculam roseam includente extus undulata; posticæ fascia angusta.*

*Female.* Rosy red, rather slender, silvery cinereous beneath. Palpi smooth, short, obliquely ascending; third joint very minute. Antennæ very slender. Abdomen lanceolate, extending rather beyond the hind wings. Legs smooth, slender. Wings elongate, with a silvery whitish irregularly black-bordered band, which extends from the middle of the costa of the fore wings to near the end of the interior border of the hind wings. Fore wings acute; the band very broad, undulating on its outer side, containing a large rosy spot; some whitish points along the costa; exterior border convex, very oblique. Hind wings with the band about one-third of the breadth of that of the fore wings. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

a. North China. From Mr. Fortune's collection.

#### PYRALIS? APICIFERALIS.

*Alba, gracilis; palpi porrecti, graciles, capitis latitudine vix breviores, articulo 3o lanceolato 2o non breviore; antennæ robustæ; alæ elongatæ, lineis duabus nigris angulosis duplicitatis ochraceo marginatis ex parte obsoletis; anticæ apice rotundatae, macula apicali nigra.*

White, slender. Palpi slender, porrect, nearly as long as the breadth of the head; third joint lanceolate, as long as the second. Maxillary palpi full half the length of the labial palpi. Antennæ stout, microscopically pubescent. Wings elongated, with two double

zigzag ochraceous-bordered partly obsolete black lines, which are most distinct on the interior border of the hind wings. Fore wings rounded at the tips, with a black apical spot; exterior border convex, moderately oblique. Length of the body 3 lines; of the wings 7 lines.

a. Shanghai. From the Entomological Society's collection.

#### PYRALIS? TRILATALIS.

**Mas.** *Purpurascente-cinerea, robusta; caput, thorax et alæ anticæ flava; palpi vix ascendentes, caput paullo superantes, articulo 3o obtuso 2o vix breviore; alæ anticæ linea postmedia ochracea angulosa.*

**Male.** Purplish cinereous, stout. Head, thorax and fore wings towards the base yellow. Palpi moderately stout, hardly ascending, extending a little beyond the head; third joint slightly tapering from the base to the tip, which is obtuse, nearly as long as the second. Abdomen hardly extending beyond the hind wings. Fore wings slightly rounded at the tips, with an ochraceous zigzag line at two-thirds of the length; exterior border slightly convex and oblique. Length of the body 2 lines; of the wings 5 lines.

a. North Hindostan. From Capt. Boyes' collection.

#### PYRALIS SUGGERALIS.

**Mas.** *Fuscescente-cinerea; alæ anticæ apice rotundatae, triente basali fusca, lineis duabus transversis albidis obliquis subundulatis, plaga subcostuli fuscescente, linea marginali fusca.*

**Male.** Brownish cinereous. Head wanting. Abdomen extending beyond the hind wings. Legs smooth, slender. Fore wings rounded at the tips, brown for more than one-third of the length from the base; two whitish oblique slightly undulating lines; interior line bounding the brown hue; exterior line intersecting a brownish patch near the costa; marginal line brown; exterior border slightly convex, rather oblique. Length of the body  $2\frac{1}{2}$  lines; of the wings 7 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

## PYRALIS? ANTICALIS.

*Fœm.* *Alba*; *caput fuscum*; *palpi graciles, erecti, articulo 2o subarcuato, 3o lanceolato*; *alæ latiusculæ, e strigis parvis fuscis transversis sexlineatae*; *antice vitta subcostali brevi strigisque plurimis fuscis, vitta subtus argentea subcostali, macula subtus nigra fusiformi subapicali punctum album elongatum includente*.

*Female.* White, shining, rather stout. Head brown. Palpi smooth, slender, erect, not rising so high as the vertex; second joint slightly curved; third lanceolate, less than one-third of the length of the second. Antennæ stout. Thorax brown in front. Abdomen extending much beyond the hind wings. Legs slender; tarsi and fore tibiæ with brown bands. Wings rather broad, with six incomplete lines composed of little transverse brown streaks, which are darker on the under side. Fore wings acute, with a brown subcostal stripe, which extends along half the length, and with numerous little transverse brown streaks; a black subapical point; exterior border slightly convex, very oblique; under side with a fusiform black subapical spot, which includes an elongated white point, and with a silvery subcostal stripe. Length of the body 5 lines; of the wings 12 lines.

*a.* Mysol. From Mr. Wallace's collection.

## PYRALIS? PURALIS.

*Argenteo-alba*; *caput et thorax anticus fuscescente-cinerea*; *palpi fusi, ascendentes, articulo 2o subarcuato, 3o longiusculo*; *alæ strigis plurimis transversis pallide fuscis*; *antice apice rotundatae, linea fusca postica exteriore brevi lata obliqua nigricante notata, punctis duobus subapicalibus nigris elongatis, vitta subtus costali argentea, gutta subtus subapicali atra punctum album elongatum includente*.

Silvery white. Head and fore part of the thorax brownish cinereous. Palpi brown, smooth, slender, not rising so high as the vertex; second joint slightly curved; third lanceolate, nearly half the length of the second. Legs slender; tarsi with black bands. Wings with numerous little transverse pale brown streaks, which form incomplete lines. Fore wings rounded at the tips, with a short broad oblique brown blackish-marked line, which extends from the disk nearly to the interior border rather beyond the middle of the

latter; space about this line without streaks; two black elongated subapical points; exterior border slightly convex, very oblique; under side silvery along the costa, with a deep black subapical dot, which includes an elongated white point. Length of the body 5 lines; of the wings 12 lines.

Allied to *P. Bactialis*.

Sarawak, Borneo. In Mr. Saunders' collection.

#### PYRALIS? CANDIDALIS.

**Mas.** *Argentea-alba, gracilis; caput antice cervinum; palpi cervini, oblique ascendentibus, articulo 3o minimo; thorax antice cervinus; alae lineis sex indeterminatis pallide ochraceis, fimbria aurata; antica lineis 3a 4aque fusco nebulosis, 5a 6aque obsoletis, striga exteriore fusca lata transversa, costa cervina albo punctata.*

**Male.** Silvery white, slender. Head fawn-colour in front. Palpi fawn-colour, pubescent, white beneath, obliquely ascending, not rising so high as the vertex; third joint very minute. Antennæ rather stout, minutely pubescent. Thorax fawn-colour in front. Legs slender. Wings broad, with six slender oblique incomplete pale ochraceous lines; under side with more determinate markings; fringe mostly gilded. Fore wings acute, with some little transverse pale ochraceous streaks; third and fourth lines clouded with brown; an exterior transverse broad brown streak; fifth and sixth lines obsolete; costa fawn-colour, with minute white points. Length of the body 4 lines; of the wings 9 lines.

Nearly allied to *P. anticalis* and to *P. puralis*.

**a. Ceram.** From Mr. Wallace's collection.

#### PYRALIS DEVIALIS.

*Albida, robusta; palpi validi, breviusculi, oblique ascendentibus; antennæ fuscescente annulatæ; thorax subrufescens; alæ subrufescentes, latæ, breviusculæ, lineis duabus undulatis, 1a albida, 2a rufescente, fascia exteriore lata albida, linea adhuc exteriore undulata ochracea, fascia submarginali schistacea, linea marginali fusca punctata; posticæ basi fuscae.*

Whitish, stout. Palpi stout, obliquely ascending, much shorter than the breadth of the head; third joint conical, very minute.

Antennæ with numerous brownish rings. Thorax with a reddish tinge. Legs rather short; spurs stout. Wings broad, rather short, with a reddish tinge; an undulating whitish line near the base divided by a parallel reddish line from a broad whitish band, which has some black speckles along its outer side, where an undulating ochraceous line divides it from a submarginal slate-coloured band; marginal line and fringe brown, the former containing darker points. Fore wings hardly acute; exterior border convex, moderately oblique. Hind wings brown from the base to the first line. Length of the body 3 lines; of the wings 8 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

#### PYRALIS? OBSTRUCTALIS.

Fœm. *Fuscescente-cinerea, sat robusta; palpi porrecti, fimbriati, capitis latitudine non breviores, articulo 3o stylato brevi; alæ antice apice subrotundatae, lineis tribus flavis subdenticulatis, subundulatis, fusco submarginatis, 2a flexa et interrupta, punctis fuscis lunulisque flavis marginalibus.*

Female. Brownish cinereous, rather stout, cinereous beneath. Proboscis distinct. Palpi porrect, compressed, fringed, as long as the breadth of the head; third joint slender, stylate, about one-fourth of the length of the second. Abdomen cinereous, extending a little beyond the hind wings. Legs smooth, slender; spurs long. Fore wings slightly rounded at the tips, with three pale yellow partly brown-bordered slightly denticulated and undulating lines; first line interior or before the middle; second exterior, bent and interrupted towards the costa; third near the exterior border; marginal points brown, accompanied by pale yellow lunules; exterior border slightly convex, moderately oblique. Hind wings cinereous. Length of the body 3 lines; of the wings 7 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

#### PYRALIS? POLYGRAPHALIS.

Fœm. *Alba; caput et thorax anticus fusca; palpi graciles, oblique ascendentes, verticem non superantes, articulo 2o subarcuato, 3o linearis; pedes graciles, tibiis tarsisque nigricante fasciatis; alæ longæ, lineis plurimis subobliquis e punctis elongatis nigricantibus.*

**Female.** Pearly white. Head, palpi and fore part of the thorax brown. Palpi smooth, slender, obliquely ascending, not rising higher than the vertex; second joint slightly curved; third linear, much shorter than the second. Abdomen extending rather beyond the hind wings. Legs slender; tibiæ and tarsi with blackish bands. Wings long, with numerous slightly oblique lines, which are composed of elongated blackish points; some of the latter are connected. Fore wings acute; exterior border convex, very oblique. Length of the body 4 lines; of the wings 12 lines.

**a.** Mysol. From Mr. Wallace's collection.

#### PYRALIS REGALIS.

**Fœm.** *Purpurascente-rufa, subtus lutea; palpi oblique ascendentes, verticem non superantes, articulo 3o parvo; abdominis dimidium apicale luteum; pedes antici nigri; alæ margine exteriore fimbriaque aurato-luteis; anticæ lineis duabus luteis nigricante marginatis apud costam dilatatis, gutta intermedia subcostali nigricante; posticæ lineis duabus luteis angulosis indistinctis.*

**Female.** Purplish red, luteous beneath. Palpi smooth, slender, obliquely ascending, not rising so high as the vertex; third joint minute. Abdomen extending a little beyond the hind wings; apical half luteous. Legs smooth; fore legs black above. Wings with the exterior border and the fringe gilded luteous. Fore wings with two luteous lines, which are blackish-bordered and are dilated into costal spots; first line antemedial, slightly curved outward; second postmedial, nearly straight; some luteous costal speckles; a blackish subcostal dot between the lines. Hind wings with two indistinct zigzag luteous lines; under side luteous for half the length from the base, and with a luteous line at a little beyond the middle. Length of the body 5 lines; of the wings 11 lines.

It has much resemblance to *P. ignifualis*, *P. Lucillalis*, *P. Pelasgalis*, *P. Marthalis* and *P. Dorcasalis*, but may be distinguished from them by the broader luteous border of the wings.

**a.** Swan River. From Mr. Diggles' collection.

### PYRALIS DUCALIS.

**Fœm.** *Obscure purpurea ; caput et thorax anticus aurato-flava ; palpi oblique ascendentibus, verticem non superantes, articulo 3o lanceolato ; alæ aurato-flavo marginatae ; anticæ lineis duabus cinereis subrectis apud costam luteis dilatatis, lunula intermedia nigricante.*

**Female.** Dark purple. Body beneath, head, fore border of the thorax, legs and exterior border of the wings gilded luteous. Palpi obliquely ascending, not rising higher than the vertex; third joint lanceolate, a little more than half the length of the second. Abdomen extending a little beyond the hind wings; oviduct exserted. Fore wings rounded at the tips, with two cinereous nearly straight and parallel lines, which are dilated and luteous on the costa; first line near the base; second at two-thirds of the length; a blackish lunule in the disk between the lines; exterior border convex, slightly oblique. Length of the body 4 lines; of the wings 10 lines.

a. Moreton Bay. From Mr. Diggles' collection.

### PYRALIS DECORATALIS.

**Fœm.** *Purpurascente-cervina ; palpi graciles, oblique ascendentibus, verticem non superantes, articulo 3o longi-conico ; abdomen basi fusco fasciatum ; alæ latæ, lineis duabus cinereis fuso marginatis, punctis marginalibus nigricantibus ; anticæ lineis angulatis, spatio intermedio cinereo, plaga apicali albida, plaga posteriore fuscescente ; posticæ lineis duplicatis dentatis.*

**Female.** Purplish fawn-colour. Palpi smooth, slender, obliquely ascending, not rising higher than the vertex; third joint elongate-conical, less than half the length of the second. Abdomen cinereous fawn-colour, with a brown band at the base, not extending beyond the hind wings. Legs smooth. Wings broad, with two cinereous lines, which are bordered with brown and are double and dentate in the hind wings; marginal points blackish; fringe interlined with cinereous. Fore wings acute; lines forming an outward angle; space between them mostly cinereous; four whitish costal points between the lines; a whitish apical patch, behind which there

is a brownish patch. Length of the body  $2\frac{1}{2}$  lines; of the wings 7 lines.

a. b. Sydney. From Mr. Diggles' collection.

#### PYRALIS DESPECTALIS.

**Fœm.** *Cinerea, fusco dense conspersa; palpi subarcuati, oblique ascendentes, articulo 3o lanceolato longiusculo; antennæ rufescentes; pedes robusti, tibiis posticis subfimbriatis; alæ lineis duabus angulosis lineaque marginali cinereis; antice apice subrotundatae, punctis costalibus cinereis, punctis marginalibus nigris.*

**Female.** Cinereous, thickly brown-speckled. Palpi pubescent, slightly curved, obliquely ascending, not rising higher than the vertex; third joint lanceolate, more than half the length of the second. Antennæ reddish. Abdomen extending a little beyond the hind wings. Legs stout; hind tibiæ slightly fringed. Wings with two cinereous zigzag lines; first line antemedial; second post-medial; marginal line cinereous. Fore wings slightly rounded at the tips; some cinereous costal points between the lines, which are dilated on the costa; marginal points black; exterior border slightly convex, rather oblique. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### PYRALIS? PORPHYBALIS.

**Fœm.** *Purpurascens, nigro conspersa; palpi graciles, arcuati, verticem superantes, articulo 3o lanceolato; abdomen cinereum; alæ antice vix acutæ, basi nigræ, lineis duabus nigris latis dentatis purpurascente marginatis, 2a valde flexa, punctis marginalibus nigris; posticæ cinereæ.*

**Female.** Purplish, black-speckled, cinereous beneath. Palpi slender, squamous, curved, applied to the head, rising rather higher than the vertex; third joint lanceolate, about half the length of the second. Abdomen cinereous, extending very little beyond the hind wings. Fore wings hardly acute, black at the base, with two broad black dentate pale purplish-bordered lines, of which the second is much bent outward in the middle; marginal points black; exterior border convex, moderately oblique. Hind wings cinereous. Length of the body 5 lines; of the wings 14 lines.

a. Swan River. From Mr. Diggles' collection.

## PYRALIS? SUBTRIGONALIS.

**Mas.** *Cinerea; palpi porrecti, subitus albi, capitis latitudine multo breviores, articulo 3o brevissimo; alæ anticæ plaga fusca magna trigona lituras duas albidas costales includente, linea exteriore albida vix undulata antice abbreviata, linea marginali nigricante, fimbria fusco interlineata.*

**Male.** Cinereous. Body beneath and legs silvery white. Palpi porrect, white beneath, much shorter than the breadth of the head; third joint very short. Maxillary palpi short, slender. Antennæ slender, smooth. Abdomen extending a little beyond the hind wings; apical tuft small. Legs smooth, slender. Fore wings acute, with a large brown triangular patch, which rests on the exterior part of the costa and contains two whitish costal marks, of which the second is much narrower than the inner one; a whitish hardly undulating line partly bordering the outer side of the patch, extending to the interior border, abbreviated towards the costa; marginal line blackish; fringe interlined with brown; exterior border slightly convex, moderately oblique. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

a. Australia. From Mr. Damel's collection.

## PYRALIS? MISERALIS.

**Mas.** *Cinerea, gracilis; palpi graciles, subarcuati, oblique ascendentes, articulo 3o lanceolato longiusculo; antennæ robustæ, dense setosæ; pedes graciles; alæ elongatæ, fusco conspersæ, linea postmedia lata obliqua angulosa punctisque submarginibus fuscis, fimbria fusco punctata; anticæ acutæ.*

**Male.** Cinereous, slender. Palpi slender, slightly curved, obliquely ascending, not rising higher than the vertex; third joint lanceolate, nearly half the length of the second. Antennæ stout, densely setose. Legs slender. Wings elongate, minutely brown-speckled, with a broad brown oblique zigzag postmedial line; a line of brown points very near the exterior border; fringe with brown points. Fore wings acute; exterior border slightly convex, rather oblique. Length of the body 3 lines; of the wings 7 lines.

a. Moreton Bay. From Mr. Diggles' collection.

## PYRALIS? POLYGRAPHALIS.

**Fœm.** *Cervina*; *palpi porrecti, subfimbriati, caput perpaullum superantes, articulo 3o brevissimo; antennæ vix serratae; alæ pallide cinereo-cervinæ, quadrifusciatae, cervino subtessellatae, fascia 1a angusta ferruginosa, 2a lata obscure fusca chalybeo suffusa, 3a angusta cervina fusco varia antice attenuata et abbreviata, 4a marginali obscure fusca postice abbreviata; antice vix acutæ, linea inter fascias 1am et 2am undulata obscure fusca, costæ dimidio basali ferruginea, striga postica lata chalybeo-fusca.* Var.  $\beta$ .—*Pallide ochraceo-cinerea; alæ fasciis saturate ochraceis.*

**Female.** Fawn-colour. Palpi porrect, slightly fringed, extending very little beyond the head and much shorter than its breadth; third joint extremely short. Antennæ slender, hardly serrated. Abdomen not extending beyond the hind wings. Legs smooth. Wings pale cinereous fawn-colour, with four bands, slightly tessellated with fawn-colour; first band ferruginous, narrow; second broad, dark brown, chalybeous-tinged; third narrow, fawn-colour, partly brown, very slight and much abbreviated in the fore wings; fourth dark brown, marginal, much abbreviated towards the interior angle. Fore wings hardly acute, with a dark brown undulating line between the first and second bands; costal space ferruginous for half the length from the base, including four pale points; a broad chalybeous-brown streak along the apical part of the interior border. Var.  $\beta$ .—Pale ochraceous-cinereous; the bands of the wings deep ochraceous, slightly chalybeous-tinged. Length of the body  $2\frac{1}{2}$  lines; of the wings 8 lines.

**a, b.** Swan River. From Mr. Diggles' collection.

## PYRALIS? TURBIDALIS.

**Mas.** *Fusca; caput obscure fuscum; palpi pubescentes, verticem longe superantes; antennæ setosæ; pedes laeves; alæ antice apice rotundatae, lineis duabus angulosis fuscis, spatio basali cervino fusco consperso, lunula discali nigra, lineis duabus submarginalibus cinereis angulosis; postice albido-cinereæ, lunula lineisque duabus exterioribus dentatis fuscis.*

**Male.** Brown, mostly cinereous beneath. Head and palpi dark brown. Proboscis short. Palpi pubescent, much longer than the breadth of the head, reflexed high above the hind border of the latter; third joint lanceolate, much shorter than the second. Antennæ

**setose.** Legs smooth; tips of the tibiæ and of the joints of the tarsi pale cinereous; spurs pale cinereous at the base. Fore wings rounded at the tips, with two brown zigzag lines; space from the base to the second line dull fawn-colour, thickly brown-speckled; a black lunule in the disk between the lines; two submarginal cinereous irregularly zigzag lines; marginal points black. Hind wings whitish cinereous, with a brown lunule and two exterior dentate brown lines, which are blackish and much more distinct on the under side. Length of the body 6 lines; of the wings 16 lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### PYRALIS ORNATALIS.

**Fœm.** *Læte flava, ochraceo varia; palpi robusti, arcuati, subtus fasciculato fimbriati, verticem non attingentes, articulo 3o lanceolato; antennæ robustæ; abdomen apice albidum; alæ fascia marginali purpurea, lunulis marginalibus nigris, fimbria alba fusco interlineata.*

**Female.** Bright yellow. Body silvery white beneath. Head, palpi, thorax, abdomen and fore wings varied with bright ochraceous. Proboscis moderately long. Palpi stout, curved, applied to the head, not rising so high as the vertex; third joint lanceolate, much shorter than the second; fringe beneath thick, divided into four tufts. Antennæ stout, smooth. Abdomen extending a little beyond the hind wings; tip whitish. Legs white; fore tibiæ and fore tarsi ochraceous above, the latter with white bands. Wings with a purple shining marginal band; marginal lunules small, black; fringe white, shining, interlined with brown near the base. Fore wings acute, with a shining sky-blue band, which contains two black points and is divided from the marginal band by a zigzag yellow line, the latter irregularly bordered with ochraceous and with black. Hind wings iridescent, semihyaline, with a blackish undulating line along the inner side of the marginal band, and with a broad yellow ochraceous-varied streak along the interior border. Length of the body 5 lines; of the wings 12 lines.

a. Moreton Bay. From Mr. Diggles' collection.

b. Swan River. From Mr. Diggles' collection.

#### PYRALIS? SEMITESSELLALIS.

**Mas.** *Cinerea, crassa; palpi graciles, oblique ascendentes, verticem non superantes, articulo 3o lineari; antennæ robustæ, glabræ; pedes validi, subfimbriati; alæ antice latæ, rufescente*

*subvariae, plaga magna postmedia albida semihyalina rufescente subtessellato; posticæ albidæ semihyalinæ, rufescente tessellatæ.*

**Male.** Cinereous, very stout, slightly iridescent. Palpi slender, obliquely ascending, not rising higher than the vertex; third joint linear, one-third of the length of the second. Antennæ stout, smooth. Abdomen tapering from the base to the tip, not extending beyond the hind wings. Legs stout; femora and tibiæ slightly fringed. Wings broad. Fore wings acute, partly and slightly tinged with pale reddish, with a large whitish shining semihyaline patch, which is incompletely tessellated with reddish and joins the exterior border, and is in connection with a few semihyaline reddish-bordered dots; exterior border convex, rather oblique. Hind wings with most of the surface like the fore wings, but more completely tessellated. Length of the body 5 lines; of the wings 12 lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### PYRALIS? CONTENTALIS.

**Fœm.** *Cervina; palpi porrecti, breves, sat graciles, articulo 3o linearis; abdomen ochraceum, basi nigrum, alas posticas vix superans; alæ latæ, linea antemedia flexa lineaque postmedia denticulata albis nigro marginatis, spatio exteriore obscure schistaceo, punctis marginalibus nigris; anticæ inter lineas nigro unipunctatae.*

**Female.** Fawn-colour. Palpi porrect, smooth, rather slender, much shorter than the breadth of the head; third joint linear, much shorter than the second. Abdomen ochraceous, black towards the base, hardly extending beyond the hind wings. Legs smooth; tarsi with blackish bands. Wings broad, with a white antemedial much bent black-bordered line, the black border broadest on the inner side; a postmedial denticulated white line, also black-bordered; space beyond the second line mostly dark slate-colour; marginal points black. Fore wings acute; a black point in the disk between the lines; three white costal points between the lines; exterior border slightly convex and oblique. Length of the body  $2\frac{1}{2}$  lines; of the wings 7 lines.

a. Swan River. From Mr. Diggles' collection.

#### PYRALIS INCERTALIS.

*Pallide lutea; palpi oblique ascendentis, articulo 2o subtus late fimbriato; alæ anticæ plagiis duabus basalibus, fascia lata*

*antice abbreviata, fascia exteriore angusta plagaque apicali purpurascensibus; postice fascia media lata fasciaque marginali latiore purpurascensibus.*

Pale luteous. Palpi stout, obliquely ascending; second joint broadly fringed beneath. Legs stout. Fore wings acute; two purplish patches, one basal, the other near the base; a broad purplish band, which is abbreviated near the costa, where there are two darker dots; a narrow exterior purplish band and a large apical purplish patch. Hind wings with a broad purplish middle band, and a broader purplish marginal band. Length of the body 4 lines; of the wings 10 lines.

a. —— ?

#### PYRALIS ? SUBCORDATALIS.

Mas. *Fuscescente-cinerea; ale elongatæ, æneo subtilitatem; ale anticæ fuscæ, linea undulata lineaque submarginali angulosa albidis, gutta albida nigro marginata, linea nigricante angulata, macula subcordata lunulisque marginalibus nigris; postice cinereæ, fascia marginali fuscescente lineam cinereum angulosam includente.*

Male. Brownish cinereous. Antennæ setose; bristles rather long. Abdomen extending a little beyond the hind wings; apical tuft small, compressed. Legs rather slender. Wings elongate, slightly æneous-tinged. Fore wings acute, obliquely brown from one-fourth of the length to two-thirds of the length; an undulating whitish line near and parallel to the outer border of this hue, which contains a whitish black-bordered dot, a black subcordate spot and an intermediate deeply angular blackish line; exterior space darker brown, including a whitish zigzag submarginal line; marginal lunules black; exterior border slightly convex, rather oblique. Hind wings cinereous, with a brownish marginal band, which includes a zigzag cinereous line. Length of the body 4 lines; of the wings 10 lines.

a. —— ? From Mr. Mjlné's collection.

Genus GLOSSINA, C. L. H. xvii. 273.

Stericta, Ld. Wien. Ent. Mon. vii. 340.

## Genus AGLOSSA, C. L. H. xvii. 274.

## AGLOSSA EXSUCRALIS.

*Exsucralis*, Ld. Wien. Ent. Mon. vii. 341, 457, pl. 7, f. 10.

Beyrouth.

## AGLOSSA INCULTALIS.

*Incultalis*, Zll. Lep. Caffr. 21.

Natal.

## AGLOSSA OCELLALIS.

*Ocellalis*, Kollar, MSS., Ld. Wien. Ent. Mon. vii. 341, 457, pl. 7, f. 9.

## AGLOSSA? CHLOROMELALIS.

*Obscure rufescens-fusca; palpi nigricantes, subarcuati, verticem paullo superantes, articulo 3o linearis 2o non breviore; thoracis latera antica viridia; alae anticae apice subrotundatae, fasciis tribus indeterminatis e atomis viridibus; posticæ fuscæ.*

Dark reddish brown, silvery cinereous beneath. Head green behind. Palpi blackish, stout, slightly curved, obliquely ascending, rising a little higher than the vertex; second joint cinereous beneath towards the base; third linear, as long as the second. Antennæ stout. Thorax green on each side in front. Legs stout, silvery cinereous, mostly brown above. Fore wings slightly rounded at the tips, with some green speckles, most of which form three very incomplete bands; costa hardly convex; exterior border convex, hardly oblique. Hind wings brown. Length of the body 4 lines; of the wings 10 lines

This species does not belong to the genus *Aglossa*, but a new genus can hardly be established on the single specimen here recorded.

a. Para. From Mr. Bates' collection.

## AGLOSSA? RUFIFLUALIS.

Mas. *Cinerea, robusta; caput et thorax rufescens; thoracis tegulae posticæ elongatae; alae anticae latiusculæ, rufo conspersæ, lineis tribus rufis, 1a 2aque dentatis, 3a submarginali subdenticulata subundulata, punctis marginalibus rufescentibus indistinctis.*

**Male.** Cinereous, stout. Head and thorax reddish. Hind tegulae of the thorax long. Abdomen not extending beyond the hind wings; apical tuft small. Fore wings rather broad, hardly acute, with red speckles, which are most prevalent at the base and along the costa; three red lines; first and second deeply dentate; third submarginal, slightly denticulated and undulating, less distinct than the others; marginal points reddish, indistinct; exterior border slightly convex, moderately oblique. Length of the body  $4\frac{1}{2}$  lines; of the wings 12 lines.

a. Cape. From M. Dregé's collection.

#### AGLOSSA BASALIS.

**Mas.** *Rufescente-cinerea, nigricante conspersa; thorax antice nigricans; alæ antice basi nigricantes, linea fusca indeterminata, linea submarginali cinerea denticulata fuscescente marginata, reniformi parva punctisque marginalibus nigricantibus.*

**Male.** Reddish cinereous, blackish-speckled. Thorax blackish in front. Fore wings blackish towards the base; an indeterminate brown line near the outer side of the blackish part; submarginal line cinereous, denticulated, diffusely brownish-bordered on both sides; marginal points blackish; a blackish dot representing the reniform mark; costa with several small black marks. Length of the body 5 lines; of the wings 12 lines.

Closely allied to *A. Harpyialis*.

a. South Africa. From Mr. Argent's collection.

#### Genus STEMMATOPHORA, C. L. H. xvii. 278.

##### STEMMATOPHORA SUBUSTALIS.

*subustalis, Ld. Zool. Bot. Ver. 1855, 215, pl. 3.*

Syria.

##### STEMMATOPHORA VETUSTALIS.

*Pyralis vetustalis, Zll. Lep. Caffr. 17.*

Caffraria.

**STEMMATOPHORA ALLUTALIS.**

*Pyralis allutalis*, *Zll. Lep. Caffr.* 18.

Caffaria.

**STEMMATOPHORA SUBCUPRALIS.**

*Pyralis subcupralis*, *Zll. Lep. Caffr.* 19.

Caffaria.

**STEMMATOPHORA VIBICALIS.**

*vibicalis*, *Ld. Wien. Ent. Mon.* vii. 328, 457, pl. 7, f. 4.

Ceylon.

**Genus HYPOTIA, C. L. H. xvii. 280.****HYPOTIA CONCATENALIS.**

*concatenalis*, *Ld. Wien. Ent. Mon.* ii. 145, pl. 3.

Syria.

**HYPOTIA COLCHICALIS.**

*colchicalis*, *H.-Sch. Lep.* f. 136.

Amasia.

**HYPOTIA INSULALIS.**

*insulalis*, *Ld. Wien. Ent. Mon.* ii. 146, pl. 3.

Syria.

**Genus LABANDA, C. L. H. xvii. 284.****LABANDA SATURALIS.**

**Mas.** *Rufescente-fusca; palpi cinerei, nigricante varii, verticem superantes, articulo 3o linearis; abdomen fuscum, alas posticæ dimidio superans; alæ anticæ atomis lineisque quinque dentatis viridibus, linea 1a duplicata, 4a submarginali diffusa, 5a marginali indeterminata, gutta nigra; posticæ fuscae.*  
*Fœm.—Corpus cervinum; alæ anticæ latiores, magis viridescentes, basi cervinæ, lineis nigro marginatis minus conspicuis; posticæ cupreo-fuscae, apice obscuriores.*

**Male.** Reddish brown. Body cinereous beneath. Palpi cinereous, obliquely ascending, partly blackish on the outer side, rising higher than the vertex; third joint linear, much shorter than

the second. Abdomen brown, extending for nearly half its length beyond the hind wings; apical tuft elongate. Wings brownish cinereous beneath. Fore wings with grass-green speckles and with five dentate lines of the same hue; first line double, very near the base; fourth submarginal, very diffuse; fifth marginal, irregular; a black dot in the disk between the second and third lines; disk beneath brown. Hind wings brown. *Female*.—Body fawn-colour. Fore wings broader, fawn-colour at the base, the green hue more prevalent; the lines black-bordered, less determinate. Hind wings cupreous-brown, darker about the tips. Length of the body 7-8 lines; of the wings 18-19 lines.

The less acutely angular lines of the fore wings distinguish this species from *L. herbaris*.

- a. Hindostan. From the collection of the Entomological Society.
- b. Ceylon. From Mr. Stevens' collection.

#### Genus CRYPTOCOSMA.

*Cryptocosma*, *Ld. Wien. Ent. Mon.* vii. 346.

#### CRYPTOCOSMA PERLALIS.

*perlalis*, *Ld. Wien. Ent. Mon.* vii. 347, pl. 7, f. 11.

Brazil.

#### Genus GAUNA.

*Mas.* Corpus sat robustum. Proboscis brevis. Palpi gracieles, subdecumbentes, subarcuati, apices versus subfimbriati, capitata latitudine non breviores; articulus 3us obtusus, 2i. dimidio brevior. Antennæ longiusculæ, dense setosæ. Abdomen alas posticas per-paullo superans; fasciculus apicalis supra brevis, subtus longior. Pedes laeves, validi; calcaria longa, gracilia. Alæ antice elongatæ, subfalcatae, acutæ, margine exteriore subconvexo sat obliquo.

*Male*. Body rather stout. Proboscis short. Palpi slender, slightly decumbent, slightly curved, fringed above towards the tips, as long as the breadth of the head; third joint obtuse, less than half the length of the second. Antennæ rather long, densely setose. Abdomen extending very little beyond the hind wings; apical tuft longer beneath than above. Legs smooth, stout; spurs long, slender. Wings elongate, moderately broad. Fore wings acute, subfalcate; exterior border slightly convex, rather oblique.

## GAUNA SUBFERRALIS.

*Mas.* *Obscure cinerea ; caput et thorax obscure ferruginea ; alæ lineis duabus albis obliquis ; anticæ costa spatioque marginali plaquea postica ferrugineis ; posticæ linea la arcuata.*

*Male.* Dark cinereous. Head and thorax dull ferruginous. Wings with two white oblique lines; first line antemedial, curved in the hind wings; second postmedial. Fore wings ferruginous along the costa and between the second line and the exterior border, and with a ferruginous patch on the interior border between the lines. Length of the body 3 lines; of the wings 8 lines.

• Moreton Bay. From Mr. Diggles collection.

## Genus CURENA.

*Mas.* *Corpus robustum, Jæve. Proboscis mediocris. Palpi subarcuati, fere erecti, sat graciles, verticem non superantes ; articulus 3us lanceolatus, 2o brevior. Antennæ robustæ, setosæ. Thoracis tegulæ posticæ longissimæ. Abdomen alas posticas vix superans ; fasciculus apicalis parvus. Pedes læves, sat graciles. Alæ anticæ latiusculæ, acutæ, costa apicem versus arcuata, margine exteriore subconvexo.*

*Male.* Body stout, smooth. Proboscis of the usual length. Palpi rather slender, slightly curved, nearly erect, not rising higher than the vertex; third joint lanceolate, shorter than the second. Antennæ stout, setose. Hind tegulae of the thorax very long, extending over the base of the abdomen. Abdomen hardly extending beyond the bind wings; apical tuft small. Legs smooth, rather slender; spurs moderately long and slender. Wings rather broad. Fore wings acute; costa rounded near the tip; exterior border slightly convex, moderately oblique.

## CURENA EXTERNALIS.

*Mas.* *Cervina ; abdomen ochraceo-cervinum, fasciculo apicali subfurcato ; alæ anticæ cinereæ, linea purpurea antemedia subarcuata, fascia lata marginali saturate rufa postice angustiore subchalybæa ; posticæ ochraceæ, lineis duabus purpureis subundulatis.*

**Female.** Pale cinereous-red. Wings with a blackish oblique slightly curved antemedial line; fringe shining cinereous, with two purple lines. Fore wings with a deep red marginal band, which is broadest in front, and is bordered on the inner side by a hardly undulating black line; marginal points black, much elongated transversely. Hind wings more reddish than the fore wings, with a blackish oblique middle line, which is nearly parallel to the antemedial line; under side purplish. Length of the body 4 lines; of the wings 9 lines.

*a, b.* Australia. From Mr. Damel's collection.

#### Genus LIXA.

**Mas.** Corpus sat gracile. Proboscis obsolete. Palpi squamoso-hirsuti, oblique ascendentibus, verticem non superantes; articulus 3<sup>us</sup> conicus, parvus. Antennæ dense setosæ. Abdomen fasciculis duobus lateralibus subapicalibus penicillatis radiatis. Pedes validi, squamosi; tibiæ posticæ calcaribus quatuor parvis. Alæ anticæ elongatæ, acutæ, costa basi subconvexa apice porrecta, margine exteriore subflexo; posticæ subacutæ.

**Male.** Body rather slender. Proboscis obsolete. Palpi squamous-hirsute, obliquely ascending, not rising higher than the vertex; third joint conical, minute, less than one-sixth of the length of the second. Antennæ thickly setose; the bristles decreasing in length towards the tips. Abdomen hardly extending beyond the hind wings, with two lateral subapical penicillate radiating tufts composed of long clavate hairs. Legs stout, squamous; hind tibiæ with four short spurs. Wings elongate. Fore wings acute; costa very slightly convex towards the base, straight exteriorly, inclined forwards from thence to the tips, which are prominent; exterior border convex, hardly oblique in front, very oblique hindward. Hind wings slightly acute.

This is a very aberrant genus. It has a resemblance to *Siculodes* and to some of the *Ennomidæ*.

#### LIXA PRODUCTALIS.

**Mas.** *Rufescente-cervina, nigro subconspersa; abdomen fasciculis lateralibus nigris; alæ linea recta obliqua nigra; anticæ gutta nigra subcostali.*

**Male.** Reddish fawn-colour, minutely and indistinctly black-speckled. Lateral tufts of the abdomen black. Wings with a

straight black line, which extends from the tips of the fore wings to two-thirds of the length of the interior border of the hind wings. Fore wings with a black dot in the disk near the costa. Length of the body  $4\frac{1}{2}$  lines; of the wings 12 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

#### Genus PACORIA.

*Mas.* Corpus gracile. Proboscis longiuscula, sat robusta. Palpi sat lati, oblique ascendentes, verticem non superantes; articulus 2us subtus subfimbriatus; 3us conicus, minimus. Antennæ graciles, pubescentes. Thorax penicillis duobus longis posticis lateralibus. Abdomen alas posticas longe superans, fasciculis parvis lateralibus; fasciculus apicalis elongatus. Pedes lœves, graciles; calcaria longa, gracilia. Alæ anticae elongatae, acutæ, costa media vix concava.

*Male.* Body slender. Proboscis rather long and stout. Palpi rather broad, obliquely ascending, not rising higher than the vertex; second joint with a short thick fringe beneath; third conical, very minute. Antennæ slender, minutely pubescent. Thorax with a long penicillate tuft of hairs on each side of the hind border. Abdomen extending much beyond the hind wings, with minute tufts along each side; apical tuft elongate. Legs smooth, slender; spurs long, slender. Wings elongate. Fore wings acute; middle part of the costa extremely slightly concave; exterior border nearly straight, moderately oblique; first and second inferior veins connected at the base; third remote from the second.

#### PACONIA ALBIFIMBRIALIS.

*Mas.* Ochracea; abdomen apicem versus rufo conspersum; alæ anticae rufo conspersæ, linea postmedia subundulata strigaque costali rufis, linea exteriore subrecta ochracea, spatio marginali purpurascente; posticae luteæ, fascia marginali purpurascente ochracea nigro conspersa.

*Male.* Ochraceous, yellow beneath. Abdomen paler along each side, red-speckled towards the tip. Wings with black marginal points. Fore wings red-speckled from the base to a red post-medial slightly undulating and oblique line, which is abbreviated near the costa at a little beyond a short red costal streak; space between the line and a more exterior nearly straight ochraceous line more thickly red-speckled; space between the latter line and the exterior border purplish; under side with an abbreviated purple

costal stripe, which is dilated towards its tip. Hind wings luteous, purplish ochraceous and black-speckled along the exterior border; fringe purplish cinereous, interlined with black. Length of the body 6 lines; of the wings 12 lines.

a. Australia. From M. Damel's collection.

#### PACORIA? CONGRUALIS.

*Mas. Ochracea; palpi suberecti, verticem non superantes, articulo 3o brevissimo; antennæ graciles, vix serratæ; alæ fasciis duabus lineisque duabus obscurioribus obliquis.*

*Male.* Ochraceous. Palpi smooth, nearly erect, not rising higher than the vertex; third joint very short. Antennæ slender, hardly serrated. Legs smooth. Wings moderately broad, with two darker ochraceous oblique bands and with two darker ochraceous oblique lines; first line between the bands; second between the second band and the exterior border; first band less determinate than the second; exterior border slightly convex, rather oblique. Length of the body 3 lines; of the wings 8 lines.

a. Swan River. From Mr. Diggles' collection.

#### Genus ZANIA.

*Mas. Corpus sat gracile. Proboscis mediocris. Palpi læves, graciles, oblique ascendentes, verticem non superantes; articulus 3us conicus, minimus. Antennæ setosæ. Abdomen alas posticas longe superans; fasciculus apicalis magnus. Pedes læves, graciles; calcaria longa, gracilia. Alæ anticae elongatæ, acutæ, margine exteriore subconvexo.*

*Male.* Body rather slender. Proboscis of the usual length. Palpi smooth, slender, obliquely ascending, not rising so high as the vertex; third joint conical, very minute. Antennæ setose. Abdomen extending much beyond the hind wings; apical tuft large. Legs smooth, slender; spurs long, slender. Wings elongate, moderately broad. Fore wings acute; submedian and inferior veins remote from the interior border; a broad space along the latter overlapping the fore part of the hind wings; exterior border slightly convex, moderately oblique.



## ZANIA UNICALIS.

**Mas.** *Pallide rufescens; abdomen apicem versus nigricans; alæ nigro vix conspersæ; anticæ subtus apud marginem exteriorem obscuriores; posticæ subtus lineis duabus subarcuatis e atomis nigris.*

**Male.** Pale reddish. Abdomen blackish above towards the tip. Wings with a few black minute speckles. Fore wings a little darker and with black speckles along the exterior border on the under side. Hind wings beneath with two slightly curved lines of black speckles extending from somewhat beyond the middle of the costa to the end of the interior border. Length of the body 5 lines; of the wings 10 lines.

a. Shanghai. From the Entomological Society's collection.

## Genus ARADRAPHA.

**Fœm.** Corpus robustum, squamosum. Proboscis breviuscula, sat valida. Palpi robusti, squamosi, subarcuati, verticem paullo superantes; articulus 2us apice subfasciculatus; 3us lanceolatus, brevis. Antennæ graciles. Abdomen lanceolatum, alas posticas sat superans; oviductus exsertus. Pedes robusti; tibiæ posticæ subfimbriatæ; calcaria longa, gracilia. Alæ anticæ elongatæ, latiusculæ, subacutæ, margine exteriore convexo.

**Female.** Body stout, squamous. Proboscis rather short and stout. Palpi stout, squamous, nearly erect, slightly curved, rising a little higher than the vertex; second joint slightly tufted beneath at the tip; third lanceolate, about one-fourth of the length of the second. Antennæ slender. Abdomen lanceolate, extending rather beyond the hind wings; oviduct exserted. Legs stout; hind tibiæ slightly fringed; spurs long, slender. Wings elongate, rather broad. Fore wings slightly acute; exterior border convex, moderately oblique; first and second inferior veins connected at the base; third very remote from the second and not more remote from the fourth.

## ARADRAPHA MIXTALIS.

**Fœm.** *Viridescens, albo nigroque conspersa; alæ anticæ lineis duabus nigris undulatis dentatis, guttis marginalibus nigris subquadratis; posticæ albidae, semihyalinae, fascia marginali æneo-fusca abbreviata.*

*Female.* Greenish, speckled with white and with black, pale cinereous beneath. Tarsi blackish; tips of the joints whitish. Fore wings with two undulating acutely dentate black lines; first line near the base; second at two-thirds of the length; marginal dots black, subquadrate. Hind wings whitish, iridescent, semihyaline, with an æneous-brown marginal band, which is much abbreviated towards the interior angle. Length of the body 6 lines; of the wings 16 lines.

a. Honduras. From Mr. Dyson's collection.

#### Genus DOCELA.

*Fæm.* Corpus sat gracile. Proboscis mediocris. Palpi porrecti, graciles, late fimbriati, corporis latitudine non longiores; articulus 3us parvus. Antennæ gracillimæ, subsetulosæ. Abdomen alas posticas non superans. Pedes glabri. Alæ anticæ latæ, acutæ, margine exteriore convexo subobliquo.

*Female.* Body rather slender. Proboscis of the usual length. Palpi porrect, slender, broadly fringed above and beneath, not longer than the breadth of the head; third joint minute. Antennæ very slender, very minutely setulose. Abdomen not extending beyond the hind wings. Legs smooth. Wings broad. Fore wings acute; exterior border convex, slightly oblique.

#### DOCELA VETUSTALIS.

*Fæm.* Cana; alæ nigricante conspersæ, linea postmedia pallide flavescente; anticæ lineis duabus obscurioribus angulosis indistinctis, gutta intermedia saturate ochracea, maculis tribus postmediis fuscescentibus, margine exteriore subochraceo, punctis marginalibus nigris; posticæ dimidio apicali fusco.

*Female.* Hoary. Body white beneath. Palpi white beneath towards the base. Wings blackish speckled, with a postmedial pale yellowish line, which is very much broader in the hind wings than in the fore wings; fringe long. Fore wings with two indistinct darker zigzag lines and with an intermediate deep ochraceous dot; three brownish spots connected with the outer side of the yellowish line; a dull ochraceous tinge along the exterior border; marginal points black; under side with a blackish apical spot. Hind wings with the exterior half brown. Length of the body  $4\frac{1}{2}$  lines; of the wings 12 lines.

a. Congo. Presented by Sir J. Richardson.

## Genus TRICOMIA.

**Mas.** Corpus gracile. Proboscis mediocris. Palpi squamosi, latiusculi, oblique ascendentibus, verticem non superantes; articulus 3us conicus, minimus. Antennæ graciles, setosæ. Thoracis latera postica penicillata. Abdomen alas posticas longe superans; fasciculus apicalis longus, divergens. Pedes longi, graciles. Alæ anticae elongatæ, peracutæ, margine exteriore recto, margine interiore subconvexo.

**Male.** Body slender. Proboscis of the usual length. Palpi squamous, rather broad, obliquely ascending, not rising higher than the vertex; third joint conical, very minute. Antennæ slender, setose. Thorax with a long penicillate tuft on each side near the hind border. Abdomen extending much beyond the hind wings; apical tuft long, radiating. Legs long, slender; spurs slender. Wings elongate, moderately broad. Fore wings very acute; exterior border straight, moderately oblique; interior border slightly convex for two-thirds of the length from the base; third inferior vein very remote from the second.

## TRICOMIA AUBORALIS.

**Mas.** Ochracea; abdomen apice roseum; pedes rosei; alæ fascia marginali lata rosea, linea marginali nigricante, fimbria albida; anticæ roseo conspersæ, fascia marginali lineam ochraceam includente postice dilatata.

**Male.** Ochraceous. Abdomen rosy towards the tip; under side mostly rosy. Legs rosy. Wings with a broad rosy marginal band; marginal line blackish; fringe whitish. Fore wings rosy-speckled; marginal band including an ochraceous line, its hind part much dilated and bordered by a rosy line, which, like the speckles, is of a darker hue than the band. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

a. Moreton Bay. From Mr. Diggles' collection.

## Genus ARSACIA.

**Fem.** Corpus robustum, læve. Proboscis brevissima. Palpi angulati, oblique ascendentibus, verticem non superantes, subtus dense fimbriati; articulus 3us longi-conicus. Antennæ sat validæ. Abdomen alas posticas paullo superans. Pedes robusti; tibiæ posticæ

*calbaribus quatuor longissimis. Alæ anticeæ breves, latæ, apice rotundatae, margine exteriore obliquo convexo.*

*Female.* Body stout, smooth. Proboscis very short. Palpi obliquely ascending, with a short thick fringe beneath, not rising higher than the vertex; third joint elongate-conical, about one-fourth of the length of the second, with which it forms a right angle. Antennæ smooth, rather stout. Abdomen extending a little beyond the hind wings. Legs smooth, stout; hind tibiæ with four very long spurs. Wings short, broad. Fore wings rounded at the tips; exterior border convex, moderately oblique; first and second inferior veins connected at the base; third rather remote from the second, and thrice more remote from the fourth.

*ARSACIA SATURATALIS.*

*Fœm.* *Saturate ochracea; abdomen fuscescente-cinereum; alæ anticeæ linea albida recta obliqua, spatio exteriore roseo, punctis marginalibus nigricantibus, costa rosea, dimidio apicali albido; posticeæ fuscescente-cinereæ.*

*Female.* Deep ochraceous. Body beneath and legs silvery cinereous. Abdomen and hind wings brownish cinereous, the latter whitish along the costa. Anterior tibiæ red above, except towards the tips; tarsi brownish; tips of the joints silvery cinereous. Fore wings with a straight whitish line, which extends from near the tip of the costa to one-third of the length of the interior border; space beyond this line rosy red; marginal points blackish; costa rosy red for half the length from the base, whitish from thence to near the tip. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

a. Penang. Presented by the Secretary of the India Board.

Genus VINZELA.

*Mas.* Corpus robustum. Proboscis brevis. Palpi oblique ascendentæ, verticem paullo superantes; articulus 2us robustus, squamosus, subarcuatus; 3us lauceolatus, 2i triente non longior. Antennæ pubescentes. Abdomen alas posticas longe superans; fasciculus apicalis parvus. Pedes robusti. Alæ anticeæ apice subrotundatae, margine exteriore vix obliquo.

*Male.* Body stout. Proboscis short. Palpi obliquely ascending, rising a little higher than the vertex; second joint stout, squamous, slightly curved; third lanceolate, about one-third of the length

of the second. Antennæ minutely pubescent. Abdomen extending much beyond the hind wings; apical tuft small. Legs stout. Wings moderately broad. Fore wings slightly rounded at the tips; exterior border very slightly convex, hardly oblique.

#### VINZELA INAPTALIS.

**Mas.** *Fusca; caput antice cinereum; alæ anticæ linea media angulosa, linea marginali, macula costali subapicali maculaque postica pallide ochraceis.*

**Male.** Brown. Body beneath, head in front, palpi and legs cinereous. Fore wings with a pale ochraceous zigzag middle line; marginal line pale ochraceous, a triangular pale ochraceous costal spot near the tip, and a smaller pale ochraceous spot joining the marginal line near the interior angle. Length of the body  $5\frac{1}{2}$  lines; of the wings 12 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

#### Genus ARSISACA.

**Fœm.** Corpus robustum. Proboscis mediocris. Palpi robusti, squamosi, erecti, verticem superantes; articulus 2us apice fimbriatus; 3us fimbriatus, brevis, subfusiformis. Antennæ pubescentes. Abdomen lanceolatum, alas posticas sat superans. Pedes robusti, glabri; calcaria longa, sat valida. Alæ anticæ latiusculæ, apice subrotundatae, margine exteriore subobliquo vix dentato.

**Female.** Body stout. Proboscis of the usual length. Palpi erect, stout, squamous, applied to the face, rising higher than the vertex, not longer than the breadth of the head; secoud joint towards the tip and third joint fringed above; third joint subfusiform, not more than one-fourth of the length of the second. Antennæ pubescent. Abdomen tapering from the base to the tip, extending rather beyond the hind wings. Legs stout, smooth; spurs long, rather stout. Wings rather broad. Fore wings slightly rounded at the tips; exterior border hardly festooned, slightly convex and oblique; second inferior vein nearer to the first than to the third; fourth moderately remote from the third.

## ABSIDACA BOLINALIS.

**Fœm.** *Obscure olivaceo-fusca; abdomen cinereum; alæ anticæ fasciis duabus albis abbreviatis semihyalinis, strigis subcostalibus pallide cinereis, fascia submarginali cervina angulosa.*

**Female.** Dark olive-brown, white beneath. Abdomen cinereous above. Tarsi blackish above, their joints with white tips; fore femora and fore tibiae blackish above. Wings beneath with an irregular æneous-brown marginal band. Fore wings with a white semihyaline antemedial band, which is abbreviated near the costa, and with a white semihyaline postmedial band, which is also abbreviated near the costa and extends from thence to a little beyond half the breadth of the wing; some short pale cinereous subcostal streaks; a narrow irregular zigzag submarginal fawn-coloured band; under side with an incomplete postmedial band, which is blackish in front and brown hindward. Length of the body  $6\frac{1}{2}$  lines; of the wings 14 lines.

**a. Jamaica.** From Mr. Gosse's collection.

## Genus ZARANIA.

**Mas.** Corpus sat robustum, subcylindricum. Proboscis brevis. Palpi brevissimi, subdecumbentes. Antennæ robustæ, glabré. Abdomen alas posticas longe superans. Pedes breves, tarsis posticis basi tibiisque posticis late fimbriatis, calcaribus sat validis. Alæ anticæ elongatæ, acutæ, costa apud medium vix convexa, margine exteriore obliquo vix convexo.

**Male.** Body moderately stout, nearly cylindrical. Proboscis short. Palpi very short, slightly decumbent. Antennæ stout smooth. Abdomen extending much beyond the hind wings. Legs short; hind tarsi towards the base and hind tibiae broadly fringed; spurs moderately long and stout. Wings elongate. Fore wings acute; middle part of the costa hardly concave; exterior border hardly convex, moderately oblique.

## ZARANIA COSSALIS.

**Mas.** *Cervina; pedes postici nigro pilosi; alæ anticæ nigro subconsperæ, plaga postmedia nigra elongata lineaque exteriore brevi albida connexis; posticæ cinereæ, linea postmedia obliqua vix undulata marginaque exteriore fuscescentibus.*

**Male.** Fawn-colour, cinereous beneath. Hind legs fringed with black hairs. Wings with black marginal points. Fore wings thinly black-speckled, with a black postmedial transversely elongated patch; this is concise on the inner side, diffuse and irregular on the outer side, and is connected with a short whitish line which proceeds from the costa. Hind wings cinereous, brownish along the exterior border, and with a brownish postmedial oblique hardly undulating line. Length of the body 6 lines; of the wings 13 lines.

Rio Joneiro. In Mr. Fry's collection.

#### Genus PARACHMA.

**Mas.** Corpus lineare, sat gracile. Proboscis brevis. Palpi squamosi, sat graciles, verticem paulo superantes; articulus 2us subarcuatus; 3us lanceolatus, 2i dimidio non brevior. Abdomen alas posticas longe superans; fasciculus apicalis magnus. Pedes robusti, tibiis tarsisque posticis dense fimbriatis. Alæ anticæ breviusculæ, latiusculæ, costa subinflexa, margine exteriore subobliquo.

**Male.** Body linear, rather slender. Proboscis short. Palpi squamous, rather slender, nearly erect, rising a little higher than the vertex; second joint slightly curved; third lanceolate, about half the length of the second. Abdomen extending much beyond the hind wings; apical tuft large. Legs stout; hind tibiae and hind tarsi densely fringed, the fringe of the latter forming two angular tufts; spurs stout, moderately long. Wings rather short and broad. Fore wings slightly contracted along the middle of the costa, nearly rectangular at the tips; exterior border slightly convex and oblique.

This genus hardly belongs to the *Pyralidae*.

#### PARACHMA OCHRACEALIS.

**Mas.** Pallide ochracea; pedes postici ferrugineo fimbriati; alæ anticæ lineis duabus flavescentibus; posticæ rufescente-ochracea.

**Male.** Pale ochraceous. Hind legs fringed with ferruginous hairs. Fore wings with two yellowish lines; first line antemedial, slightly curved outward; second postmedial; marginal line red; fringe yellowish white; under side reddish ochraceous. Hind wings reddish ochraceous; fringe yellowish white, interlined with reddish

ochraceous; under side yellowish, red-speckled, with an outward-curved postmedial line, which is not speckled. Length of the body 4 lines; of the wings 8 lines.

a. — ?

### Genus ZITHA.

*Mas.* Corpus robustum. Proboscis brevissima. Palpi porrecti, pilosi, breves; articulus 3us conicus, parvus. Antennæ validæ, dense setulosæ. Abdomen alas posticas sat superans; fasciculus apicalis minimus. Pedes robusti, squamosi; calcaria longa, gracilia. Alæ antice latæ, subacutæ, margine exteriore convexo subobliquo.

*Male.* Body stout. Proboscis very short. Palpi porrect, pilose, very much shorter than the breadth of the head; third joint conical, minute. Antennæ stout, thickly setulose. Abdomen extending rather beyond the hind wings; apical tuft very small. Legs stout, squamous; spurs long, slender. Wings broad. Fore wings slightly acute; exterior border convex, slightly oblique; first and second inferior veins contiguous at the base; third remote from the second; fourth more remote from the third.

### ZITHA PUNICEALIS.

*Mas.* *Læte roseo lateritia; abdomen albido-cinereum, segmentorum marginibus rufo conspersis; alæ antice lineis duabus albidis undulatis nigricante marginatis, 2a apud costam dilatata, punctis costalibus albidis; posticæ albido-cinereæ, apud costam iridescentes.*

*Male.* Bright brick-red, with a rosy tinge. Abdomen whitish cinereous; hind borders of the segments red-speckled. Fore wings with two whitish undulating lines; first line at a little beyond one-fourth of the length, blackish-bordered on the outer side; second at three-fourths of the length, dilated on the costa, blackish-bordered on the inner side; eight whitish points on the costa between the lines. Hind wings whitish cinereous, very iridescent towards the costa. Length of the body 7 lines; of the wings 14 lines.

*a—d.* South Africa. Presented by R. Trimen, Esq.  
*e.* South Africa. From Mr. Trimen's collection.

## Genus ANÆGLIS.

Anæglis, *Ld. Wien. Ent. Mon.* vii. 345.

## ANÆGLIS DEMISSALIS.

demissalis, *Ld. Wien. Ent. Mon.* vii. pl. 7, f. 1.  
Brazil.

## Genus PARACME.

Paracme, *Ld. Wien. Ent. Mon.* vii. 338.

## PARACME INSULSALIS.

insulsalis, *Ld. Wien. Ent. Mon.* vii. 339, pl. 6, f. 11.  
Ning-po.

## Genus FABATANA.

*Fæm.* Corpus lœve, crassum.. Proboscis longiuscula. Palpi porrecti, graciles, brevissimi ; articulus 3us minimus. Antennæ graciles. Pedes breves, lœves, robusti ; tibiæ posticæ dense fimbriatae. Alæ anticae latæ, apice rotundatae, costa subconvexa, margine exteriore vix obliqua, margine interiore undulato.

*Female.* Body smooth, very stout. Proboscis rather long. Palpi porrect, slender, squamous, very short, not reaching to the front of the head ; third joint very minute. Antennæ slender. Legs short, smooth, stout ; hind tibiæ densely fringed ; spurs moderately long and stout. Fore wings broad, rounded at the tips ; costa slightly convex ; exterior border hardly convex, very slightly oblique ; interior border undulating.

## FABATANA OVIPLAGALIS.

*Fæm.* Cinerea ; pedes rufo-pilosi ; alæ anticae fascia basali ovali viridescente-fusca cinereo pallido marginata, linea postmedia undulata pallide cinerea, spatio marginali rufescente ; posticae fuscescente-cinereæ, linea marginali alba.

*Female.* Cinereous. Legs silvery cinereous ; scales and hairs deep red. Fore wings shining ; a greenish brown oval-shaped band near the base, bord'ered with pale cinereous ; an undulating pale cinereous line beyond two-thirds of the length ; space between this

line and the exterior border reddish, brighter red beneath; costa red beneath. Hind wings brownish cinereous, with a slender white marginal line. Length of the body 3 lines; of the wings 9 lines.

a. North America. From Mr. Carter's collection.

#### Genus GABRISA.

*Mas.* Corpus gracile. Proboscis brevis. Palpi erecti, verticem paullo superantes; articulus 2us arcuatus, pubescens; 3us lanceolatus, 2o vix brevior. Antennæ subcrenulatæ. Pedes lœves, graciles. Alæ anticae elongatae, vix acutæ, margine exteriore subconvexo perobliquo.

*Male.* Body slender. Proboscis short. Palpi erect, rising a little higher than the vertex; second joint curved, pubescent; third lanceolate, nearly as long as the second. Antennæ minutely crenulated. Legs smooth, slender. Wings elongate. Fore wings hardly acute; exterior border slightly convex, very oblique.

#### GABRISA SCOPARIALIS.

*Mas.* Cinerea; caput, thorax et alæ anticae subcervino-cinerea; alæ lineis duabus fuscis undulatis, margine exteriore fusccente, linea marginali fusa, fimbria fusco guttata; antica linea 2a valde flexa, reniformi e annulo oblongo fusco lineolam ad costam emitente.

*Male.* Cinereous. Head, thorax and fore wings with a very slight fawn-coloured tinge. Wings with two undulating brown lines, of which the second is much bent in the fore wings; a brownish tinge about the exterior border; marginal festoon brown; fringe with brown dots. Fore wings with the reniform mark forming a transversely oblong ringlet, which emits a short line to the costa. Length of the body 3 lines; of the wings 8 lines.

a. Sydney. From Mr. Diggles' collection.

#### Genus MOLVENA.

*Mas.* Corpus robustum, lœve. Frons producta. Proboscis longiuscula. Palpi lœves, graciles, porrecti, caput non superantes; articulus 3us acutus, minimus. Antennæ lœves, breviusculæ, sat validæ. Abdomen alas posticas vix superans; fasciculus apicalis parvus. Pedes lœves; calcaria longa, gracilia. Alæ anticae elongatae, latiusculæ, apice rectangulatae, margine exteriore postico perobliquo.

**Male.** Body stout, smooth. Front prominent. Proboscis rather long. Palpi smooth, slender, porrect, not extending beyond the head; third joint acute, very minute. Antennæ smooth, rather short and stout. Abdomen hardly extending beyond the hind wings; apical tuft small. Legs smooth, moderately stout; spurs long, slender. Wings elongate, rather broad. Fore wings rectangular at the tips; hind part of the exterior border very oblique; second inferior vein much nearer to the third than to the first; fourth remote from the third. Hind wings slightly acute.

This genus may be distinguished from *Cardamyla* by the structure of the palpi.

#### MOLVENA GUTTALIS.

**Mas.** *Alba; caput nigro guttatum; palpi nigri; thorax nigro sex maculatus; abdomen fasciis interruptis nigris; alæ anticae fasciis macularibus annulisque tribus nigris; postica gutta, linea exteriore fasciaque marginali nigra.*

**Male.** White. Head with a black dot on the vertex. Palpi mostly black. Thorax with a band in front composed of four black spots, with a black spot in the disk and with a smaller black spot near the hind border. Abdomen with interrupted black bands: under side with an apical black band. Tibiæ and tarsi with black bands. Fore wings with many black spots of various size, which form irregular bands; two black ringlets in the disk, and one on the exterior border. Hind wings with a blackish dot in the disk, with an exterior-incomplete blackish line and with a marginal blackish band, which does not extend to the interior angle. Length of the body 6 lines; of the wings 17 lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### Genus HISBANDA.

**Mas.** *Corpus robustum. Fasciculus frontalis productus. Proboscis conspicua. Palpi squamoso-pilosi, oblique ascendentibus, verticem vix superantes; articulus 3us subfusiformis, 2o dimidio non brevior. Antennæ setis longis arcuatis. Abdomen alas posticas paullo superans, apice subcompressum vix fasciculatum. Pedes laeves, longiusculi, sat graciles; tibiæ posticæ calcaribus quatuor longis. Alæ anticae latiusculæ, subelongatæ, apice rectangulatæ, margine exteriore subflexo; posticæ margine exteriore vix flexo.*

**Male.** Body robust. Frontal tuft rather prominent. Proboscis distinct. Palpi squamous-pilose, obliquely ascending, hardly rising

higher than the vertex; third joint subfusiform, full half the length of the second. Antennæ with long slender curved setæ, hardly pectinated. Abdomen extending a little beyond the hind wings, slightly compressed and hardly tufted at the tip. Legs smooth, rather long and slender; hind tibiæ with four long spurs. Wings slightly elongate, rather broad. Fore wings rectangular at the tips; costa straight; exterior border very slightly bent, moderately oblique hindward. Hind wings with the exterior border indistinctly bent.

#### HISBANDA ACRONYCTOIDES.

*Mas. Albida, thorax fascia abbreviata atomisque posticis nigris; abdomen fuscum; alæ antice atomis, lineis tribus undulatis punctisque marginalibus nigris, linea submarginali indistincta undulata pallidissime cervina; postice fuscæ, basi fimbriaque albidis.*

*Male.* Whitish. Thorax with an abbreviated black band in front and with some black speckles hindward. Abdomen brownish, except towards the base. Fore wings with black speckles, some of which form a few irregular dots; three black undulating lines; basal and interior lines broader than the exterior line; submarginal line very pale fawn-colour, indistinct, undulating; marginal points black, much elongated; under side brown. Hind wings brown, whitish towards the base; fringe whitish; under side white, with a blackish marginal band. Length of the body 6 lines; of the wings 16 lines.

*a. Sydney.* From Mr. Lambert's collection.

#### Genus TAURICA.

*Mas. Corpus crassum. Proboscis brevis. Palpi graciles, squamosi, subangulati, oblique ascendentes, verticem non superantes; articulus 2us late fimbriatus; 3us linearis, apice rotundatus. Antennæ pubescentes, breviusculæ. Abdomen alas posticas longe superans; fasciculus apicalis parvus. Pedes robusti, pilosi; tibiæ posticæ dense fimbriatæ; calcaria breviuscula. Alæ anticæ elongatae, apice subrotundatae, margine exteriore convexo sat obliquo.*

*Male.* Body very stout. Proboscis short. Palpi slender, squamous, obliquely ascending, as long as the breadth of the head, not rising higher than the vertex; second joint broadly fringed above and beneath; third more porrect, linear, rounded at the tip, about half the length of the second, with which it forms a slight angle. Antennæ pubescent, rather short. Abdomen extending much beyond the hind wings; apical tuft small. Legs stout, pilose; hind tibiæ

densely fringed; spurs rather short. Wings elongate. Fore wings slightly rounded at the tips; exterior border convex, rather oblique.

#### TAURICA MUSCOOSALIS.

**Mas.** *Viridis, nigro conspersa; abdomen basi ochraceum; alæ fimbria albida nigro interlineata; antice e atomis nigris subfasciatæ; postice nigricantes.*

**Male.** Dull green, black-speckled, cinereous beneath. Abdomen ochraceous towards the base. Wings with a whitish black-interlined fringe. Fore wings with the black speckles less numerous towards the base, where they form incomplete bands; a dentate outward-bent almost unspeckled line beyond three-fourths of the length; under side and hind wings blackish. Length of the body 8 lines; of the wings 20 lines.

**a.** North China. From Mr. Fortune's collection.

#### Genus ZAZACA.

**Fæm.** Corpus lœve, sat robustum. Proboscis brevis. Palpi validi, lœves, subarcuati, oblique ascendentes, verticem non superantes; articulus 3us linearis, 2i dimidio non longior. Antennæ graciles. Abdomen alas posticas perpaullo superans. Pedes sat validi, femoribus tibiisque posticis subfimbriatis, tarsis posticis basi late fasciculatis. Alæ antice latiusculæ, apice rectangulatæ, margine exteriore fere recto perparum obliquo.

**Female.** Body smooth, rather stout. Proboscis short. Palpi stout, smooth, slightly curved, obliquely ascending, not rising higher than the vertex; third joint linear, about half the length of the second. Antennæ slender. Abdomen extending very little beyond the hind wings. Legs moderately stout; hind femora and hind tibiae slightly fringed; spurs moderately long and slender; first joint of the hind tarsi broadly tufted. Wings rather broad. Fore wings rectangular at the tips; exterior border almost straight, very slightly oblique.

#### ZAZACA AURATALIS.

**Fæm.** *Pallide ochracea; abdomen saturate ochraceum; alæ antice lineis duabus pallidioribus vix arcuatæ non obliquis; postice saturate ochraceæ.*

**Female.** Pale ochraceous. Abdomen, fore wings beneath and hind wings deeper ochraceous. Fore wings with two paler hardly

curved not oblique lines, one at one-third of the length, the other at two-thirds of the length. Length of the body 4 lines; of the wings 10 lines.

a. ——?

### Genus ABACENA.

*Fæm.* Corpus robustum, lœve. Fasciculus frontalis productus. Proboscis mediocris. Palpi validi, subascendentes, capitis latitudine non longiores; articulus 2us dense fimbriatus; 3us longi-conicus, parvus. Antennæ graciles. Abdomen lanceolatum, alas posticas paullo superans. Pedes lœves; calcaria longa, gracilia. Alæ antice acutæ, latiusculæ, costa apicem versus arcuata, margine exteriore convexo subobliquo.

*Female.* Body stout, smooth. Frontal tuft prominent. Proboscis of the usual length. Palpi stout, slightly ascending, as long as the breadth of the head; second joint with a short thick fringe above and beneath; third elongate-conical, about one-fourth of the length of the second. Antennæ slender. Abdomen lanceolate, extending a little beyond the hind wings. Legs smooth, moderately stout; spurs long, slender. Fore wings acute, rather broad; costa rounded towards the tip; exterior border convex, slightly oblique.

### ABACENA DISCALIS.

*Fæm.* Nigricans; caput et thorax anticus pallide cinereo-rufa; alæ antice linea albida subundulata, spatio marginali obscure rufescente lineam nigricantem angulosam includente; postice nigricante-cinereæ.

*Female.* Blackish, blackish cinereous beneath. Head, fore part of the thorax and costa of the fore wings pale cinereous-red. Abdomen and hind wings blackish cinereous. Fore wings dark reddish for about one-third of the surface from the exterior border; this space including a blackish zigzag line and divided from the blackish space by a whitish slightly undulating line; marginal festoon black. Length of the body 4 lines; of the wings 9 lines.

a. Ega. From Mr. Bates' collection.

### Genus CHLUMETIA.

*Mas.* Corpus robustum. Proboscis brevis. Palpi robusti, oblique ascendentes, verticem non superantes; articulus 2us dense

squamosus; ſus parvus, longi-conicus. Antennæ crassæ, subpubescentes. Abdomen cristatum, alas posticas paullo superans; fasciculus apicalis parvus. Pedes robusti, glabri, breviusculi; calcaria gracilia, longissima. Alæ anticæ latæ, apice subrotundato, margine exteriore convexo vix obliquo.

*Male.* Body stout. Proboscis short. Palpi stout, obliquely ascending, as long as the breadth of the head, not rising higher than the vertex; second joint densely squamous; third elongate-conical, not more than one-fourth of the length of the second. Antennæ very stout, minutely pubescent. Abdomen crested, extending a little beyond the hind wings; apical tuft small. Legs stout, smooth, rather short; spurs slender, very long. Wings broad. Fore wings slightly rounded at the tips; exterior border convex, hardly oblique; second inferior vein as near to the third as to the first; fourth moderately remote from the third.

#### CHLUMETIA GUTTIVENTRIS.

*Mas.* *Cinereo-ferruginea;* abdomen nigro tricristatum, ventre punctis albis trilineato; alæ anticæ vix purpurascentes, lineis duabus basilibus fuscis duplicatis, 1a abbreviata, lineis duabus mediis fuscis subdenticulatis, 2a abbreviata, fascia post-media ferruginea, linea exteriore nigra subdenticulata cinereo marginata, fascia submarginali nigra indeterminata lineam cinereum angulosam includente, lunulis marginalibus nigris, maculis duabus disco pallide cinereis; posticæ obscure cinereæ.

*Male.* Cinereous-ferruginous, more cinereous beneath. Abdomen blackish in the disk for half the length from the base; second third and fourth segments with small black erect crests; under side with a stripe of white dots and with two lateral stripes of white points. Fore wings with a slight purplish bloom; two double dark brown hardly oblique lines near the base; the first abbreviated hindward; two middle slightly denticulated dark brown lines, of which the outer one hardly extends across half the breadth from the costa; a ferruginous postmedial band and a more exterior slightly denticulated black line, the latter cinereous-bordered on the outer side; a black very irregular submarginal band partly including a cinereous zigzag line; marginal lunules black; a transversely oblong pale cinereous spot between the second double line and the first middle line, and another between the first and the second middle

lines. Hind wings dark cinereous. Length of the body 3 lines; of the wings 8 lines.

a. b. Ceylon. From M. Nietner's collection.

### Genus NIACCABA.

*Mas.* Corpus sat robustum. Proboscis brevissima. Palpi lăves, graciles, subarcuati, oblique ascendentes, verticem non superantes; articulus 3us parvus, longi-conicus. Antennæ robustæ, setulose. Pedes glabri, sat robusti; calcaria longa, gracilia. Alæ antice elongatæ, margine exteriore subrectangulato; postice marginé exteriore subundulato.

*Male.* Body moderately stout. Proboscis very short. Palpi smooth, slender, slightly curved, obliquely ascending, not rising so high as the vertex; third joint elongate-conical, not more than one-fourth of the length of the second. Antennæ stout, setulose. Legs smooth, rather stout; spurs long, slender. Wings elongate. Fore wings rectangular at the tips; hind part of the exterior border forming a nearly right angle with the fore part; fourth inferior vein very remote from the third. Hind wings with the exterior border slightly undulating.

### NIACCABA SUMPTUALIS.

*Mas.* Cinerea; alæ antice basi subrufescentes, linea recta obliqua cervina, punctis costalibus et marginalibus fuscis; postice roseæ, basi cinereæ, punctis submarginalibus albidis elongatis semihyalinis.

*Male.* Cinereous. Fore wings with a slight reddish tinge near the base, and with a straight fawn-coloured line which extends from somewhat beyond the middle of the costa to one-fourth of the length of the interior border; marginal points brown; some brown costal points. Hind wings rosy, mostly cinereous towards the base, with a submarginal line, which is composed of elongated whitish semihyaline points and an anterior elongated dot of the same hue. Length of the body 2 lines; of the wings 5 lines.

a. Ceylon. From M. Nietner's collection.

## Genus BEJUDA.

*Mas.* Corpus robustum. Proboscis brevis. Palpi angulati, pubescentes, capitis latitudine non longiores; articulus 2us porrectus; 3us acutus, decumbens. Antennæ validæ, dense pubescentes. Alæ anticæ apice rotundatæ, margine exteriore perobliquo vix convexo.

*Male.* Body stout. Proboscis short. Palpi pubescent, moderately broad, not longer than the breadth of the head; second joint porrect; third acute, decumbent, not more than one-fourth of the length of the second, with which it forms a nearly right angle. Antennæ stout, densely pubescent. Legs smooth, moderately stout. Wings moderately broad. Fore wings rounded at the tips; exterior border hardly convex, very oblique.

## BEJUDA COSTIGERALIS.

*Mas.* *Cervina*; caput thoracisque margo anticus fusca; alæ linea exteriore fuscescente subundulata; anticæ vitta costali obscure fusca, guttis duabus discalibus nigricantibus.

*Male.* Fawn-colour, mostly cinereous beneath. Head, palpi and fore border of the thorax brown. Wings with an exterior slightly undulating brownish transverse line. Fore wings with a dark brown costal stripe, which is not concise along its hind side, where it is contiguous to two blackish dots; first dot at one-fourth of the length of the wing; second at half the length between the first and the exterior line. Length of the body 5 lines; of the wings 12 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

## Genus GAZACA.

*Fem.* Corpus sat robustum. Proboscis brevis, gracilis. Palpi robusti, subdecumbentes, vix angulati, capitis latitudine multo longiores; articulus 1us porrectus; 3us linearis, 2i dimidio non brevior. Antennæ validæ. Abdomen alas posticas paullo superans. Pedes robusti, tarsis posterioribus basi tibiisque posterioribus late fimbriatis. Alæ spissæ, latiusculæ; anticæ apice rectangulatæ, margine exteriore vix obliquo.

*Female.* Body rather stout. Proboscis short, slender. Palpi stout, squamous, slightly decumbent, very much longer than the breadth of the head; first joint porrect, hardly forming an angle

with the second; third linear, rounded at the tip, full half the length of the second. Antennæ stout. Abdomen extending a little beyond the hind wings. Legs smooth, stout; posterior tarsi towards the base and posterior tibiae broadly fringed; spurs moderately stout, not long. Wings dense, rather broad. Fore wings rectangular at the tips; exterior border convex, hardly oblique.

#### GAZACA DIRUTALIS.

*Fæm.* *Cervina; pectoris latera nigricantia; abdominis segmenta cinereo marginata; alæ antica linea basali informi lineaque media subarcuata fuscæ, fascia exteriore informi subroseo-albida lineas duas fuscas includente, linea adhuc exteriore albida arcuata abbreviata, punctis marginalibus nigricantibus; posticæ linea postmedia fusca angulosa.*

*Female.* Fawn-colour, cinereous beneath. Pectus blackish on each side. Hind borders of the abdominal segments pale cinereous. Fore wings with an irregular brown line very near the base, and with a middle brown line, which is very slightly curved inward and borders the inner side of an irregular whitish band; the latter has a slight rosy tinge and contains two incomplete brown lines; a whitish curved more exterior line not extending to the interior border; marginal points blackish. Hind wings with a zigzag brown line at somewhat beyond the middle. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

a. Limas, Honduras. Presented by H. T. Stainton, Esq.

#### Genus PHARAMBARA.

*Fæm.* Corpus gracile. Proboscis brevissima. Palpi læves, graciles, oblique ascendentæ, verticem paullo superantes; articulus 3us lanceolatus, 2o valde brevior. Pedes glabri, graciles. Alæ margine exteriore subflexo; anticæ elongatæ, subacutæ.

*Female.* Body slender. Proboscis very short. Palpi smooth, slender, obliquely ascending, rising a little higher than the vertex; third joint lanceolate, much shorter than the second. Legs smooth, slender. Wings elongated; exterior border slightly bent. Fore wings slightly acute.

## PHARAMBARA MICACEALIS.

**Fæm.** *Flavescens; alæ fusco subreticulatae, lineis sex indeterminatis nigricantibus, subtus argenteo micantes; antice macula elongata pallide flavescente; postice purpurascente suffusa.*

**Female.** Yellowish. Legs silvery cinereous. Wings slightly reticulated with brown; six irregular slight blackish lines, some of which are more or less obsolete in the hind wings; under side with bright silvery reflections; exterior border slightly bent. Fore wings with an elongated pale yellowish spot between the second and third lines. Hind wings purplish-tinged. Length of the body  $3\frac{1}{2}$ ? lines; of the wings 9 lines.

s. Mysol. From Mr. Wallace's collection.

## Genus ENISPA.

**Fæm.** *Corpus sat gracile. Proboscis vix conspicua. Palpi brevissimi. Antennæ glabræ. Pedes lœves, graciles; tibiæ posticæ subfimbriatae, calcaribus longissimis. Alæ antice latiusculæ, falcatae, margine exteriore subangulato autice excavato; postice in margine exteriore postice inciso.*

**Female.** Body rather slender. Proboscis indistinct. Palpi very short. Antennæ smooth. Legs smooth, slender; hind tibiæ slightly fringed, with four very long spurs. Wings rather broad; exterior border slightly angular in the middle. Fore wings falcate; exterior border concave in front, very oblique hindward. Hind wings extending beyond the abdomen; exterior border notched hindward.

## ENISPA EOSARIALIS.

**Fæm.** *Pallide cinerea; abdomen roseo varium; alæ antice lineis nonnullis roseis diffusis indistinctis denticulatis, fimbria roseo interlineata; postice roseæ, linea media albida subdenticulata.*

**Female.** Pale cinereous, shining. Abdomen partly tinged with rose-colour. Fore wings with some diffuse indistinct denticulated rosy lines; fringe interlined with rosy, tipped with black on the angle of the exterior border. Hind wings rosy, with a whitish slightly denticulated middle line, which is most distinct towards the exterior border. Length of the body 3 lines; of the wings 9 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

## Genus ZUROBATA.

*Fam.* Corpus robustum. Proboscis brevis. Palpi oblique ascendentles, verticem non superantes; articulus 3us linearis, brevis. Antennæ pubescentes. Abdomen alas posticas non superans. Pedes laevæ, femoribus tibiisque appressis, calcaribus quatuor longissimis. Alæ antice breviusculæ, acutæ, vix falcatae, costa recta, margine extoriore subconvexo subobliqua.

*Female.* Body stout. Proboscis short. Palpi obliquely ascending, not rising higher than the vertex; third joint linear, not more than one-fourth of the length of the second. Antennæ minutely pubescent. Abdomen not extending beyond the hind wings. Legs smooth; femora and tibiae somewhat flattened; hind tibiae with four very long spurs. Wings moderately broad, rather short. Fore wings acute, hardly falcate; costa straight; exterior border slightly convex and oblique.

## ZUROBATA RORATA.

*Fam.* Cervina; caput et thorax anticus fusca; alee lineis tribus e punctis plurimis albis fusco marginatis; antice costa pallidissime cervina.

*Female.* Fawn-colour, mostly cinereous beneath. Head and fore part of the thorax brown. Wings with numerous white brown-bordered points of various size, most of them forming three transverse lines. Fore wings with the costa very pale fawn-colour. Length of the body 3 lines; of the wings 9 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

## Genus ZITNA.

Corpus gracile. Proboscis nulla. Palpi subdecumbentes, capit is latitudine non longiores; articulus 2us subfimbriatus; 3us conicus, minimus. Antennæ subsetulosæ. Pedes glabri, breviusculi; calcaria longa. Alæ antice latiusculæ, apice rotundatae, margine exteriore subconvexo sat obliqua.

Body slender. Proboscis obsolete. Palpi slightly decumbent, apart from each other, as long as the breadth of the head; second joint with a short fringe above; third conical, very minute, less than one-sixth of the length of the second. Antennæ very minutely setulose. Legs smooth, rather short; spurs long. Wings rather broad. Fore wings rounded at the tips; exterior border slightly convex, rather oblique.

## ZITNA ALBICINCTALIS.

*Pallide rufescente-fusca ; caput album ; alæ fuscæ, linea marginali alba lata intus nigro marginata ; anticæ costa purpurea, vitta subcostali undulata strigaque transversa subapicali albis.*

Pale reddish brown. Body whitish and shining beneath. Head white. Wings brown; costa of the fore wings and fringe purplish red; a broad white marginal line intersected by the ochraceous-bordered veins and bordered with black along its inner side. Fore wings with a white undulating subcostal stripe, and with a white transverse streak near the fore part of the exterior border. Length of the body 4 lines; of the wings 9 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

## Genus COSSEDIA.

*Mas.* Corpus crassum. Proboscis brevis. Palpi porrecti, graciles, caput paullo superantes; articulus 2us subarcuatus; 3us conicus, parvus. Antennæ subpubescentes. Abdomen alas posticas paullo superans. Pedes latiusculi; calcaria longissima; tibiæ intermediae pilosæ. Alæ anticæ apice rotundatæ, costa basi convexa, margine exteriore recto perobliqua; posticæ subcaudatæ, margine exteriore truncato concavo.

*Male.* Body very stout. Proboscis short. Palpi porrect, slender, extending a little beyond the head; second joint slightly curved; third conical, less than one-fourth of the length of the second. Antennæ very minutely pubescent. Abdomen extending a little beyond the hind wings. Legs smooth, rather broad; fore legs short; middle tibiæ pilose, with two very long apical spurs; hind tibiæ with four very long spurs. Fore wings rounded at the tips; costa convex at the base, slightly convex towards the tip; exterior border straight, very oblique. Hind wings prolonged hindward into a broad short tail; exterior border truncated, concave.

## COSSEDIA ERATEINALIS.

*Mas.* Rufescente-ochracea; thoracis tegulæ flavæ; abdomen album, subius rufescens; alæ anticæ lineis duabus (2a valde undulata), costa plagaque marginali flavis; posticæ basi albideæ, fimbria pallide flava.

*Male.* Reddish ochraceous, mostly white beneath. Palpi yellow beneath and at the tips. Tegulae of the thorax yellow. Abdomen white, shining, reddish towards the tip. Hind tibiae yellow. Fore wings with two yellow transverse lines, which are much dilated towards the costa; first line straight; second deeply undulating; costa irregularly yellow; a yellow patch on the exterior border. Hind wings whitish towards the base; fringe pale yellow. Length of the body 4½ lines; of the wings 10 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

Fam. CLEDEOBIDÆ, *C. L. H.* xvii. 286.

Genus CLEDEOBIA, *C. L. H.* xvii. 288.

CLEDEOBIA BOMBYCALIS, *C. L. H.* xvii. 290.

a, b. Austria. From Dr. H.-Schæffer's collection.

CLEDEOBIA NETRICALIS, *C. L. H.* xvii. 291.

a. Italy. From Dr. H.-Schæffer's collection.

#### CLEDEOBIA CONSECRATALIS.

consecratialis, *Ld. Zool. Bot. Ver.* 1855, 250, pl. 3; *Wien. Ent. Mon.* vii. 337.

Syria. Persia.

#### CLEDEOBIA UXORIALIS.

uxorialis, *Ld. Wien. Ent. Mon.* ii. 146, pl. 3; vii. 337.

Lebanon.

#### Genus HOMURA.

Homura, *Ld. Wien. Ent. Mon.* vii. 339.

#### HOMURA NOCTURNALIS.

nocturnalis, *Ld. Wien. Ent. Mon.* vii. 340, pl. 7, f. 7.

Brazil.

## Genus OMPHALOCERA.

*Omphalocera*, *Ld. Wien. Ent. Mon.* vii. 339.

## OMPHALOCERA CARIOSA.

*cariosa*, *Ld. Wien. Ent. Mon.* vii. pl. 6, f. 12.

North America. Brazil.

## Genus EXARCHA.

*Exarcha*, *Ld. Wien. Ent. Mon.* vii. 340.

## EXARCHA INEPTALIS.

*ineptalis*, *Ld. Wien. Ent. Mon.* vii. 340, pl. 7, f. 8.

Venezuela.

Fam. HERCYNIDÆ, *C. L. H.* xvii. 295.Genus NOCTUOMORPHA, *C. L. H.* xvii. 297.

## NOCTUOMORPHA VENUSTALIS.

*venustalis*, *Ld. Zool. Bot. Ver.* 1855, 250.

Amasia.

Genus HELIOTHELA, *C. L. H.* xvii. 298.HELIOTHELA ATRALIS, *C. L. H.* xvii. 299.

a, b. Ratisbon. From Dr. H.-Schæffer's collection.

## Genus CATHARIA.

*Catharia*, *Ld. Wien. Ent. Mon.* vii. 353.

## CATHARIA PYRENÆALIS.

*Hercyna pyrenæalis*, *C. L. H.* xvii. 300—*Catharia pyrenæalis*, *Ld. Wien. Ent. Mon.* vii. 353.

Genus HERCYNA, *C. L. H.* xvii. 299.HERCYNA HOLOSERICEALIS, *C. L. H.* xvii. 300.

a, b. Switzerland. From Dr. H.-Schæffer's collection.

## Genus BOREOPHILA, C. L. H. xvii. 301.

## BOREOPHILA PLUMBOFASCIALIS.

*Botys plumbofascialis*, *Zgl. MSS. Ld. Wien. Ent. Mon.* vii. 368,  
461, pl. 8, f. 7.

North America.

## Genus ORENAIA, C. L. H. xvii. 303.

## ORENAIA LUGUBRALIS.

*Hercyna lugubralis*, *Ld. Wien. Ent. Mon.* i. 82.

Berner Oberland.

## ORENAIA EXPANSALIS.

*expansalis*, *Eversm. Bull. Mosc.* 1852.

Ural.

## Genus APORODES, C. L. H. xvii. 304.

## APORODES ORIGINALIS.

*originalis*, *H.-Sch. N. Schm.* f. 78.

Sarepta.

## Fam. EUNYCHIDÆ, C. L. H. xvii. 306. .

## Genus PYRAUSTA, C. L. H. xvii. 307.

## PYRAUSTA PORPHYRALIS, C. L. H. xvii. 308.

a. Ratisbon. From Dr. H.-Schæffer's collection.

## PYRAUSTA PYGMÆALIS, C. L. H. xvii. 309.

a, b. Ratisbon. From Dr. H.-Schæffer's collection.

## PYRAUSTA NIEPOLDALIS.

*niepoldalis*, *Hering, MSS., Ld. Wien. Ent. Mon.* vii. 368, 460, pl.  
8, f. 6.

Silesia.

## PYRAUSTA SUMPTUOSALIS.

Fœm. *Ochracea; oculi albo-cincti; palpi porrecti, pilosi, subtus albi, capitis latitudine longiores, articulo 3o minimo; abdominis segmenta albo marginata; alæ purpureæ, margine exteriore fimbriaque aurato-flavis; anticæ maculis nonnullis variis coetaque apicem versus flavis; posticæ puncto flavo.*

*Female.* Ochraceous. Body beneath and legs white. Head white about the eyes. Palpi porrect, pilose, rostriform, white beneath, longer than the breadth of the head; third joint very small. Abdomen extending a little beyond the hind wings; hind borders of the segments white. Wings purple; exterior border and fringe gilded yellow. Fore wings acute, with several yellow spots of various size and shape; costa yellow towards the tip. Hind wings with a yellow point in the disk near the interior angle. Length of the body 3 lines; of the wings 8 lines.

a, b. North America. From Mr. Carter's collection.

## Genus RHODARIA, C. L. H. xvii. 312.

## RHODARIA NEMAUSALIS.

nemausalis, *Dup. Lep.* viii. 377, pl. 236.

Nismes.

## RHODARIA LUTOSALIS.

Botys lutosalis, *Mn. Wien. Ent. Mon.* vii. 387, pl. 3, f. 6.

Dalmatia. Asia Minor.

## RHODARIA PROCERALIS.

Botys proceralis, *Zgl. MSS. Ld. Wien. Ent. Mon.* vii. 367, 460.

North America.

## RHODARIA SIMILALIS.

Botys similalis, *Zgl. MSS. Ld. Wien. Ent. Mon.* vii. 367, 460.

North America.

## RHODARIA CINNAMOMEALIS.

cinnamomealis, *Wlg. Wien. Ent. Mon.* iv. 175.

Cape.

## RHODARIA SIGNALIS.

Mas. *Ochracea; oculi albo cincti; palpi porrecti, rostriformes, subtus albi; abdomen æneum, alas posticas longe superans, basi apiceque ochraceum, segmentorum marginibus fasciculoque apicali albidis; alæ anticae roseæ, busi ochraceæ, lineis duabus albis angulosis, 1a antice abbreviata, 2a ex parte guttulari; posticæ æneæ, fimbria albida.*

*Male.* Ochraceous. Body beneath and legs silvery whitish. Head white about the eyes. Palpi porrect, rostriform, as long as the breadth of the head, white beneath; third joint very minute. Antennæ slender, pubescent. Abdomen æneous, extending much beyond the hind wings, ochraceous towards the base and towards the tip; hind borders of the segments whitish; apical tuft whitish, rather large. Fore wings bright rose-colour, acute, ochraceous at the base, with two white zigzag lines; first line antemedial, abbreviated towards the costa; second postmedial, composed of dots along its middle part; fringe æneous-cinereous. Hind wings æneous, with a whitish fringe. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

a. North America. From Mr. Carter's collection.

## RHODARIA CATENALIS.

Mas. *Ochracea; oculi albo cincti; palpi porrecti, rostriformes, capitis latitudine non breviores; alæ linea postmedia fusca, fascia submarginali fuscescente indeterminata, fimbria albida; antica linea antemedia undulata punctoque fuscis, linea postmedia flexa.*

*Male.* Ochraceous. Body beneath and legs silvery white. Head white about the eyes. Palpi porrect, rostriform, as long as the breadth of the head, white beneath. Antennæ smooth. Abdomen extending a little beyond the hind wings. Legs slender. Wings with a postmedial brown line, which is deeply bent in the fore wings; an incomplete brownish submarginal band; fringe whitish, except at the base. Fore wings acute, with an antemedial undulating brown line and with a brown discal point; exterior slightly convex, rather oblique. Length of the body 3 lines; of the wings 8 lines.

Allied to *R. Acuphisalis*.

a. St. Domingo. From Mr. Tweedie's collection.

## RHODARIA DIRECTALIS.

**Fœm.** *Aurato-flava; palpi porrecti, pubescentes, capitis latitudine paullo longiores, articulo 3o lanceolato; alæ anticæ fascia submarginali purpurea, vitta costali ochracea diffusa, lituris tribus subcostalibus fuscescentibus; posticæ aurato-albidæ, fascia marginali purpurea.*

**Female.** Gilded yellow, pale cinereous beneath. Head white about the eyes and beneath. Palpi porrect, pubescent, a little longer than the breadth of the head; third joint lanceolate, shorter than the second. Antennæ slender, very minutely setulose. Abdomen extending a little beyond the hind wings. Legs smooth, slender. Wings with a purple band, which is submarginal in the fore wings and marginal in the hind wings. Fore wings acute, with a diffuse ochraceous costal stripe; three small subcostal brownish marks; exterior border hardly convex, slightly oblique. Hind wings gilded whitish. Length of the body 4 lines; of the wings 10 lines.

**Brazil.** In Mr. Saunders' collection.

## RHODARIA IMBUTALIS.

**Fœm.** *Saturate roseo-rufa; caput subtus ochraceum; palpi ochracei, pilosi; abdomen aurato-cinereum; alæ anticæ acutæ, latiusculæ; posticæ aurato-cinereæ.*

**Female.** Deep rosy red, stout. Head ochraceous beneath; frontal tuft very prominent. Palpi ochraceous, porrect, pilose, nearly as long as the breadth of the head. Maxillary palpi about half the length of the labial palpi. Abdomen gilded cinereous, extending a little beyond the hind wings. Wings rather broad; fringe long. Fore wings acute; exterior border slightly convex, moderately oblique. Hind wings gilded cinereous. Length of the body  $2\frac{1}{2}$  lines; of the wings 7 lines.

**a. Ceylon.** Presented by Dr. Templeton.

## RHODARIA JUNCTURALIS.

**Lutea;** *palpi porrecti, pilosi, articulo 3o brevissimo; alæ fasciis duabus lineaque marginali purpureis; anticæ subacutæ, fasciis connexis, linea undulata, linea antemedia purpurea subundulata; posticæ semihyalinæ.*

Luteous. Body beneath and legs silvery white. Palpi pilose, porrect, shorter than the breadth of the head; third joint extremely short. Antennæ smooth, rather stout. Wings with two purple bands; first band postmedial; second submarginal; marginal line purple. Fore wings slightly acute, with a purple slightly undulating antemedial line; first band undulating, connected in the middle with the second; exterior border hardly convex, moderately oblique. Hind wings semibyaline. Length of the body  $3\frac{1}{2}$  lines; of the wings 9 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

#### RHODARIA CONCATENALIS.

Fœm. *Purpurascente-aenea; palpi lati, suberecti, articulo 3o conico; ale linea marginali pallide flava; anticæ gutta subcostali antemedia, macula magna elongata postmedia strigaque costali exteriore flavis; posticæ vitta costali brevi lata pallide flava.*

*Female.* Purplish æneous. Body beneath and legs gilded whitish, shining. Palpi broad, nearly erect, whitish beneath at the base, not rising higher than the vertex; third joint conical, not more than one-sixth of the length of the second. Abdomen extending much beyond the hind wings. Legs smooth; anterior knees, fore tibiæ near their tips and middle tibiæ above purplish æneous. Wings with a pale yellow marginal line. Fore wings slightly acute, with a yellow subcostal antemedial dot, with a large elongated post-medial yellow spot, which extends across almost half the breadth from the costa, and with an exterior short yellow costal streak; exterior border slightly convex and oblique. Hind wings with a broad pale yellow stripe along half the length of the costa from the base. Length of the body 7 lines; of the wings 16 lines.

Closely allied to *R. Acuphisalis* and to *R. Noraxalis*.

a. Darjeeling. Presented by the Secretary of the India Board.

#### RHODARIA FORMOSALIS.

Fœm. *Læte flava; caput et thorax anticus rosea; palpi subascendentes, articulo 2o subtus fimbriato, 3o lanceolato; thoracis latera subochracea; abdomen cinereum, apice roseum; ale anticæ vittis duabus fasciaque marginali roseis; posticæ aeneocinereæ, fimbria rosea.*

**Female.** Bright yellow, shining cinereous with a slight æneous tinge beneath. Head, palpi and fore part of the thorax bright rosy. Palpi slightly ascending, as long as the breadth of the head; second joint thickly fringed beneath; third lanceolate, about half the length of the second. Antennæ slender. Thorax with an ochraceous tinge on each side. Abdomen cinereous, extending a little beyond the hind wings, rosy at the tip. Legs smooth. Fore wings acute, with a bright rosy stripe along the costa and another along the interior border, and with a bright rosy marginal band, which widens from the costa to the interior border. Hind wings shining cinereous, with an æneous tinge; fringe pale rosy. Length of the body 5 lines; of the wings 12 lines.

a. Australia. From Mr. Damel's collection.

Genus **PHLYCTÆNODES**, *C. L. H.* xvii. 319.

**PHLYCTÆNODES PUSTULALIS**, *C. L. H.* xvii. 320.

a—d. Germany. From Dr. H.-Schäffer's collection.

Genus **HERBULA**, *C. L. H.* xvii. 320.

**HERBULA REPLETALIS.**

**Fœm.** *Ochracea; palpi porrecti, capitis latitudine breviores, articulo 3o lanceolato; thorax nigro conspersus; abdominis segmenta nigro fasciata; alæ nigro-cupreo trifasciatæ, fascia 1a excavata, 2a undulata ochraceo interlineata antice furcata, 3a submarginali antice interrupta, linea marginali nigra, fimbria nigro-cinerea.*

**Female.** Ochraceous. Body beneath and legs silvery whitish. Palpi porrect, rostriform, shorter than the breadth of the head; third joint lanceolate, less than half the length of the second. Thorax black-speckled. Abdomen not extending beyond the hind wings; a broad black band on each segment. Wings with three cupreous-black-bands; first band very near the base, excavated, very irregular; second medial, undulating, irregularly interlined with ochraceous, forked towards the costa of the fore wings; third submarginal, interrupted in the fore wings; marginal line black; fringe cinereous-black. Fore wings acute. Length of the body 3 lines; of the wings 8 lines.

a, b. North America. From Mr. Carter's collection.

## HERBULA? SUBMARGINALIS.

**Mas.** *Ochracea*; *palpi graciles, nigro quadrifasciati, verticem paullo superantes, articulo 3o linearis; antennae graciles, nigro annulatae; pedes robusti, pilosi, fusco fasciati; alae fascia submarginali angusta nigricante, fimbria pallide cinerea basi nigro lineata; antice fasciis duabus nigricantibus diffusis, linea exteriori arcuata nigricante; postice villa costata lata alba.*

**Male.** Ochraceous. Palpi slender, obliquely ascending, rising a little higher than the vertex, with four narrow black bands; third joint linear, rounded at the tip, about half the length of the second. Antennae slender, with black rings. Abdomen extending a little beyond the hind wings; apical tuft small. Legs stout, pilose, with brown bands. Wings broad, with a narrow blackish submarginal band; fringe pale cinereous, with a black line at the base. Fore wings acute, with two blackish diffuse bands; first band near the base; second postmedial; a more exterior outward-curved blackish line; submarginal band broadest towards the costa; exterior border slightly convex, moderately oblique. Hind wings with a broad white costal stripe, which does not extend to the tip; submarginal band dilated towards the costa. Length of the body 3 lines; of the wings 8 lines.

a. Ceram. From Mr. Wallace's collection.

## HERBULA? MULTIFERALIS.

**Mas.** *Lutea*; *palpi porrecti, fusco trifasciati, articulo 3o minimo; thorax nigro fasciatus; alae fascia nigra submarginali, fimbria nigro-cinerea; antice fasciis duabus, lunula, linea subrecta lineaque undulata nigris, fascia submarginali strigas duas emittente; postice dimidio basali nigro.*

**Male.** Luteous. Palpi porrect, rather stout, with three brown bands, much shorter than the breadth of the head; third joint extremely small. Antennae smooth, slender. Thorax with a broad black band. Abdomen extending a little beyond the hind wings. Tibiae and tarsi with black bands. Wings broad, with a black submarginal band, which in the fore wings emits some streaks to the exterior border; fringe cinereous-black. Fore wings acute, with two black bands; first antemedial; second postmedial, connected on the outer side with a black lunule; a black nearly straight line between the bands, and a black undulating line on the outer side of

the second band; exterior border convex, moderately oblique. Hind wings mostly black on half the length from the base. Length of the body 3 lines; of the wings 8 lines.

Ceram. From Mr. Wallace's collection.

#### HERBULA? EFFICITALIS.

*Fœm.* *Cervina*; *alæ nigricante subconspersæ, linea marginali nigricante, fimbria cinerea fusco interlineata*; *antice lineis duabus dentatis, fascia submarginali subinterrupta, orbiculari et reniformi nigricantibus*; *postica luteæ, macula fasciisque duabus nigricantibus*.

*Female.* Fawn-colour. Body beneath and legs cinereous. Legs smooth, slender. Wings partly and thinly blackish speckled; marginal line blackish; fringe cinereous, interlined with brown. Fore wings acute, with two dentate blackish lines; orbicular and reniform marks blackish between the lines; the former hardly half the size of the latter, which is not excavated; submarginal band blackish, nearly interrupted in the middle; exterior border hardly convex, moderately oblique. Hind wings luteous, with a blackish spot near the base and with two blackish bands, of which the first is slightly undulating. Length of the body 3 lines; of the wings 8 lines.

—?

#### HERBULA PICARIALIS.

*Mas.* *Nigricans*; *palpi porrecti, capitis latitudine multo breviores, articulo 2o subtus fimbriato, 3o minimo*; *antennæ pubescentes*; *abdominis segmenta albo marginata*; *alæ fasciis duabus albidis, 1a postmedia undulatæ, 2a submarginali*; *antice subacute, maculis duabus albidis subcostalibus, fascia 1a antice subfurcata*.

*Male.* Blackish, slender. Palpi porrect, white beneath towards the base, much shorter than the breadth of the head; second joint tinged beneath; third conical, very minute. Antennæ minutely pubescent. Abdomen extending a little beyond the hind wings; hind borders of the segments white. Legs slender, silvery cinereous. Wings with two whitish bands; first band postmedial, undulating, broader and more complete than the second, which is submarginal; fringe silvery cinereous. Fore wings slightly acute, with two whitish subcostal spots between the base and the first band, which is slightly forked near the costa; second band less complete than that of the

hind wings; exterior border straight, rather oblique. Length of the body  $3\frac{1}{2}$  lines; of the wings  $7\frac{1}{2}$  lines.

a. ——?

#### HERBULA? SUBMARGINALIS.

*Fem. Ferruginea; palpi porrecti, pilosi, subtus albi, capitit  
cavitudine multo breviores, articulo 3o minimo; aë late  
fusca lutea submarginali indeterminata; anticæ maculæ  
discali luteæ; postice subtus basi luteæ.*

*Female.* Ferruginous. Body beneath and legs silvery white. Palpi perfect, pilose, white beneath, much shorter than the breadth of the head: third joint very minute. Antennæ slender. Abdomen tapering from the base to the tip, extending very little beyond the hind wings. Legs smooth. Wings broad, with an irregular and incomplete submarginal luteous band. Fore wings acute, with a luteous discal spot, which extends on the under side to the band; exterior border slightly convex, moderately oblique. Hind wing beneath mostly luteous between the base and the band. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

a. ——? From Mr. Milne's collection.

#### Genus TEGOSTOMA, C. L. H. xvii. 325.

##### TEGOSTOMA SUBDITALIS.

*subditalis, Zl. Lep. Caffr. 25.*

*Caffaria.*

#### Genus ANTHOPHILODES, C. L. H. xvii. 325.

##### ANTHOPHILODES MOSCHLERI.

*Thalpuchares Moschleri, Christoph. Stett. Ent. Zeit. 1862, 220.*

*Sarcoptes Egypti.*

#### Genus ENNYCHIA, C. L. H. xvii. 326.

##### ENNYCHIA NIGRALIS, C. L. H. xvii. 327.

From Dr. H.-Schäffer's collection.

#### ENNYCHIA ALBOFASCIALIS, C. L. H. xvii. 327.

*Ennychia albofascialis, Dr. H.-Schäffer's collection.*

## ENNYCHIA MELALEUCALIS.

*melaleucalis*, Eversm. Bull. Mosc. 1852.

Irkoutsk.

## ENNYCHIA ACONTIALIS.

*acontialis*, Std. Stett. Ent. Zeit. 1859, 221. H.-Sch. N. Schm.  
f. 83, 84. *Var.?* *senicalis*, Std.

Andalusia.

## ENNYCHIA SORORIALIS.

*sororialis*, Heyden, Stett. Ent. Zeit. 1862.

Engadin.

## ENNYCHIA? CRASSALIS.

Fœm. *Nigricans, crassa; caput et thorax cinereo-cervina; palpi oblique ascendentes, subtus albi, articulo 3o conico; abdomen alas posticas longe superans, segmentis albo marginatis; alæ anticae apice subrotundatae, basi cinereo-cervinæ, punctis non-nullis cyaneo-albis, fascia latissima cinereo-cervina maculam costalem strigas duas lineamque exteriorem nigricantes includente, punctis marginalibus albis; posticae vitta maculari fimbriaque albis.*

Female. Blackish, very stout. Body beneath and legs silvery white. Head and thorax dull cinereous fawn-colour. Palpi smooth, white beneath, obliquely ascending, not rising higher than the vertex; third joint conical, about one-sixth of the length of the second. Abdomen extending much beyond the hind wings; hind borders of the segments white. Legs smooth; tibiæ and tarsi blackish above; joints of the latter with white tips. Fore wings slightly rounded at the tips, dull cinereous fawn-colour at the base, and with a very broad irregular band of the same hue nearly extending to the exterior border and containing a large costal spot, two streaks and an exterior line of the ground hue; some bluish white points in the disk; marginal points white; under side with a luteous band, which is almost interrupted near the costa and is much abbreviated towards the interior border; exterior border convex, slightly oblique. Hind wings with a stripe composed of three white spots; fringe white; under side with two luteous costal spots and with a white spot in the disk. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

a. Ega. From Mr. Bates' collection.

## Genus EMPREPES.

*Emprepes*. *Id. Wien. Ent. Mon.* vii. 360.

## EMPREPES PUDICALIS.

*Rhodaria pudicalis*. *Cat. Lep. Het.* xvii. 315—*Emprepes pudicalis*,  
*Id. Wien. Ent. Mon.* vii. 361.

Andatonia.

## Genus ALGEDONIA.

*Algedonus*. *Id. Wien. Ent. Mon.* vii. 363.

## ALGEDONIA LUCTUALIS.

*Lynychia luctualis*. *Cat. Lep. Het.* xvii. 329—*Algedonia luctualis*,  
*Id. Wien. Ent. Mon.* vii. 364.

—. Central Germany. From Dr. H. Schaeffer's collection.

## Genus ESCHREMON.

*Eschremont*. *Id. Wien. Ent. Mon.* vii. 362.

## ESCHREMON DISPARALIS.

*disparalis*. *H.-Sch. Schm.* vi. 140, f. 134, 135.

Amasia.

## Genus PELAEA.

*Pelaea*. *Id. Wien. Ent. Mon.* vii. 363.

## PELAEA RAMALIS.

*Ramalis*. *f. 92*; *Trotz. Schm.* vii. 186. *H.-Sch. Eur.*  
*f. 38*. *Id. Wien. Ent. Mon.* vii. 363, pl. 8, f. 5.  
*Amasia*.

## Genus AMBLYURA.

*Id. Wien. Ent. Mon.* vii. 357.

## AMBLYURA CORESCA.

*Corescia*. *Id. Wien. Ent. Mon.* vii. 358, pl. 6, f. 14.

Fam. ASOPIDÆ, C. L. H. xvii. 331.

Genus SYNGAMIA, C. L. H. xvii. 333.

SYNGAMIA SECUTALIS.

*Mas.* *Læte aurato-ochracea; caput et thorax cuprea; abdomen apice cupreum; alæ linea antemedia fasciaque marginali cupreis; anticæ vitta costali lata abbreviata fasciaque post-media interrupta cupreis.*

*Male.* Bright gilded ochraceous. Body beneath and legs silvery whitish. Head and thorax cupreous. Antennæ minutely crenulate. Abdomen cupreous towards the tip extending for nearly half its length beyond the hind wings. Fore tibiæ with two cupreous bands. Wings with an antemedial cupreous line and with a cupreous marginal band, which is broadest towards the costa. Fore wings with a broad irregular cupreous costal stripe, which extends from the base to a little beyond the middle, where it terminates in an interrupted band. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

Siam. Aru. New Guinea. Ceram.

a. Mysol. From Mr. Wallace's collection.

Genus SYNCHROMIA, C. L. H. xvii. 235.

*Mas.* Corpus gracile. Proboscis robusta. Palpi sat graciles, dense squamosi, usque ad apices pilosi, oblique ascendentibus, verticem non superantes, articulo 3o lanceolato 2i dimidio breviore. Antennæ validæ, subpubescentes. Abdomen lanceolatum, alas posticas dimidio superans; latera subfasciculata; fasciculus apicalis longus, subcompressus. Pedes glabri, graciles; calcaria longa, gracilia. Alæ anticæ sat angustæ, apice subrotundatae, margine exteriore convexo.

*Male.* Body slender. Proboscis stout. Palpi densely squamous-pilose to the tips, rather slender, obliquely ascending, not rising higher than the vertex; third joint lanceolate, less than half the length of the second. Antennæ robust, minutely pubescent. Abdomen lanceolate, with small tufts along each side, extending for half its length beyond the hind wings; apical tuft elongate, slightly compressed. Legs smooth, slender; spurs long, slender. Wings rather narrow. Fore wings slightly rounded at the tips; exterior border convex, moderately oblique; first and second inferior veins

connected at the base; third twice further from the fourth than from the second.

#### SYNCHROMIA COCCINEALIS.

**Mas.** *Coccinea; caput ochraceum; antennæ nigrae, apices versus argenteo-albae; abdominis segmenta subtus argenteo-albo marginata; pedes nigri, tarsorum articulis basi argenteo-albis; alæ fimbria nigra; antice plaga subapicali saturate cyanea; postice apice purpureo-nigrae, macula discali cyanea.*

**Male.** Crimson. Head and palpi ochraceous. Antennæ black, silvery white towards the tips. Pectus silvery white in front. Abdominal segments beneath from the second to the sixth black with silvery white hind borders. Legs black, tinged with silvery white; tarsal joints silvery white towards the base. Wings with a black fringe. Fore wings with a large dark blue subapical patch. Hind wings purplish black towards the tips; a blue spot in the disk. Length of the body  $3\frac{1}{2}$  lines; of the wings 7 lines.

**a, b.** St. Domingo. From Mr. Tweedie's collection.

#### Genus DESMIA, C. L. H. xvii. 336.

##### DESMIA? DIVISALIS.

*Fusca; palpi lati, errecti, articulo 2o apice albo, 3o conico; alæ aeneæ, lituris albis semihyalinæ fusco marginatis; antice guttis duabus subcostalibus, macula antemedia magna fusco interlineata, macula exteriore costali; postice fascia lata obliqua lineam furcam subundulatam includente.*

Brown. Body beneath and legs silvery white. Palpi broad, erect, not rising higher than the vertex; second joint white at the tip; third conical, minute. Wings aeneous; fringe white; markings white, iridescent, semihyaline. Fore wings acute, with two brown-bordered subcostal dots, one close to the base, the other at one-fourth of the length; a large irregular antemedial spot extending across the wing, bordered by and partly including a brown line, connected by a streak with another brown-bordered spot, which extends from the costa to the middle of the breadth of the wing; exterior border slightly convex, very oblique. Hind wings with a broad oblique band, which is bordered with brown on its inner side and includes a slightly undulating brown line on its outer side. Length of the body 4 lines; of the wings 10 lines.

**a.** St. Domingo. From Mr. Tweedie's collection.

## DESMIA COLLARIS.

**Mas.** *Cupreo-fusca; caput argenteo-album; palpi oblique ascendentibus, articulo 3o parvo lanceolato; antennæ subserratae, dense setosæ, flexura antemedia serrata; thorax antice argenteo-albus; abdomen basi argenteo-album; alæ anticæ puncto maculaque quadrata subcostalibus strigaque costali supapicali albis, fimbria apud angulum interiorem albo notata; posticæ fimbria postica alba.*

**Male.** Cupreous-brown. Body beneath and legs silvery cinereous. Head silvery white. Palpi obliquely ascending, not rising higher than the vertex, white beneath towards the base; third joint lanceolate, about one-fourth of the length of the second. Antennæ slightly serrated, densely setose, bent and serrated at somewhat before half the length. Thorax silvery white in front. Abdomen extending for half its length beyond the hind wings, silvery white towards the base. Fore wings acute; a white sub-costal point at hardly beyond one-fourth of the length; a white sub-costal quadrate spot at a little beyond half the length; a little white costal streak near the tip; a white mark on the fringe by the interior angle. Hind wings with the fringe white along the hind part of the exterior border. Length of the body 5 lines; of the wings 11 lines.

Closely allied to *D. Egimiusalis*, but more slender, and the flexure of the antennæ is less incrassated.

**Morty.** In Mr. Saunders' collection.

## DESMIA CINCTA.

**Mas.** *Cupreo-fusca; palpi oblique ascendentibus, articulo 2o fibrato, 3o parvo lanceolato; antennæ subserratae, dense setosæ, nodo antemedio munitæ; abdomen basi albo fasciatum; tarsi antici incrassati; alæ anticæ macula subcostali antemedia guttaque costali elongata subapicali albis; posticæ fimbria postica alba.*

**Male.** Cupreous-brown. Body beneath and legs silvery white. Palpi obliquely ascending, not rising higher than the vertex, white beneath towards the base; second joint with a short thick fringe beneath; third lanceolate, about one-fourth of the length of the second. Antennæ minutely serrated, densely setose, incrassated rather before the middle. Abdomen extending somewhat beyond the

hind wings; a white band near the base. Fore tibiae and fore tarsi brown above; fore tarsi incrassated. Fore wings hardly acute; a white round subcostal spot at a little before the middle; a white transversely elongated costal dot near the tip. Hind wings with the fringe white towards the interior angle. Length of the body 4 lines; of the wings 10 lines.

The abdomen of this species is much shorter and more robust than that of *D. collaris*.

New Guinea. Mysol. In Mr. Saunders' collection.

#### DESMIA MYSOLALIS.

Fœm. *Cupreo-fusca; palpi oblique ascendentibus, articulo 2o robusto, 3o lanceolato; alæ antice apice rotundatae, puncto subcostali maculaque costali subquadrata albis, linea exteriore arcuata cinerea antice posticeque alba dilatata; postice spatio basali albo fasciam cupreo-fuscam abbreviatam includente, fimbriæ dimidio postico albo.*

Female. Cupreous-brown. Body beneath and legs silvery cinereous. Palpi obliquely ascending, not rising higher than the vertex, white beneath at the base; second joint stout; third lanceolate, about one-fourth of the length of the second. Pectus white in front. Abdomen extending rather beyond the hind wings. Fore wings rounded at the tips; a white subquadrate costal spot at one-fourth of the length; a white subquadrate costal spot at half the length; a cinereous curved line, which is dilated and white at each end and forms a costal spot near the tip and another spot on the interior border. Hind wings white for some space from the base and along most of the length of the costa; this hue including a cupreous-brown band, which is abbreviated towards the costa; fringe white along the hind half of the exterior border. Length of the body 4 lines; of the wings 10 lines.

Mysol. In Mr. Saunders' collection.

#### DESMIA LATALIS.

Fœm. *Obscure cupreo-fusca; palpi robusti, oblique ascendentibus; alæ latiusculæ, fimbria alba basi cupreo-fusca; antice apice rotundatae, macula discali, gutta costali elongata postmedia punctisque duobus posticis albis; postice macula discali, punctis tribus posterioribus punctoque marginali albis.*

**Female.** Dark cupreous-brown. Body silvery cinereous beneath. Palpi stout, obliquely ascending, white beneath. Abdomen extending a little beyond the hind wings. Legs mostly brown above; tips of the tarsal joints silvery cinereous. Wings rather broad; fringe white, except at the base. Fore wings rounded at the tips; a white spot in the disk; a white elongated costal dot at three-fourths of the length; a white point near the interior border behind the spot, and another at the hind end of the exterior border; exterior border convex, rather oblique. Hind wings with a white spot in the disk; three white points between the spot and the interior border; a white point on the exterior border at somewhat behind the middle. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

Sula. In Mr. Saunders' collection.

#### DESMIA BASALIS.

**Mas.** *Nigro-fusca, cupreo sublincta; caput antice argenteo-album; palpi oblique ascendentibus, articulo 3o linearib; antennae robustae, pubescentes, subtus rufescentes, apices versus argenteae, fasciculo antemedio parvo, nodo postmedio subtus excavato; abdomen albo bifasciatum; aæ anticae subacutæ, lineis duabus subpallidioribus indistinctis, costa, gutta antemedia, macula postmedia, guttaque costali exteriore albis, fimbria cinerea postice alba; posticæ macula antemedia fimbriaque albis.*

**Male.** Blackish brown, with a slight cupreous tinge. Body silvery white beneath. Head silvery white in front. Palpi squamous, obliquely ascending, not rising higher than the vertex, silvery white beneath, except towards the tips; second joint extending beyond the base of the third; third linear, about one-third of the length of the second. Antennæ stout, pubescent, incrassated and excavated at somewhat beyond the middle, reddish beneath, silvery towards the tips, with the exception of a blackish line; a slight tuft at somewhat before the middle. Abdomen extending for half its length beyond the hind wings, with a white band near the base, and with another at two-thirds of the length; apical tuft compressed, very small. Legs silvery cinereous; anterior legs brown above, except the tarsi. Fore wings slightly acute, with two indistinct slightly paler lines; a white antemedial dot and a white postmedial spot, both in the disk; a more exterior white dot on the costa, which is mostly white; fringe cinereous, except at the base, white near the interior angle; exterior border convex, very oblique. Hind wings

## HERBULA? SUBMARGINALIS.

**Mas.** *Ochracea*; *palpi graciles, nigro quadrifasciati, verticem paullo superantes, articulo 3o linearis; antennae graciles, nigrae annulatae; pedes robusti, pilosi, fusco fasciati; alae fascia submarginali angusta nigricante, fimbria pallide cinerea basi nigro lineata; antice fasciis duabus nigricantibus diffusa, linea exteriori arcuata nigricante; postice vitta costata lata alba.*

**Male.** Ochraceous. Palpi slender, obliquely ascending, rising a little higher than the vertex, with four narrow black bands; third joint linear, rounded at the tip, about half the length of the second. Antennæ slender, with black rings. Abdomen extending a little beyond the hind wings; apical tuft small. Legs stout, pilose, with brown bands. Wings broad, with a narrow blackish submarginal band; fringe pale cinereous, with a black line at the base. Fore wings acute, with two blackish diffuse bands; first band near the base; second postmedial; a more exterior outward-curved blackish line; submarginal band broadest towards the costa; exterior border slightly convex, moderately oblique. Hind wings with a broad white costal stripe, which does not extend to the tip; submarginal band dilated towards the costa. Length of the body 3 lines; of the wings 8 lines.

a. Ceram. From Mr. Wallace's collection.

## HERBULA? MULTIFERALIS.

**Mas.** *Lutea*; *palpi porrecti, fusco trifasciati, articulo 3o minimo; thorax nigro fasciatus; alae fascia nigra submarginali, fimbria nigro-cinerea; antice fasciis duabus, lunula, linea subcrecita lineaque undulata nigris, fascia submarginali strigas duas emittente; postice dimidio basali nigro.*

**Male.** Luteous. Palpi porrect, rather stout, with three brown bands, much shorter than the breadth of the head; third joint extremely small. Antennæ smooth, slender. Thorax with a broad black band. Abdomen extending a little beyond the hind wings. Tibiæ and tarsi with black bands. Wings broad, with a black submarginal band, which in the fore wings emits some streaks to the exterior border; fringe cinereous-black. Fore wings acute, with two black bands; first antemedial; second postmedial, connected on the outer side with a black lunule; a black nearly straight line between the bands, and a black undulating line on the outer side of

second band; exterior border convex, moderately oblique. Hind wings mostly black on half the length from the base. Length of the body 3 lines; of the wings 8 lines.

Ceram. From Mr. Wallace's collection.

#### HERBULA? EFFICITALIS.

Fœm. *Cervina*; alæ nigricante subconspersæ, linea marginali nigricante, fimbria cinerea fusco interlineata; antice lineis duabus dentatis, fascia submarginali subinterrupta, orbiculari et reniformi nigricantibus; postice luteæ, macula fasciisque duabus nigricantibus.

*Female.* Fawn-colour. Body beneath and legs cinereous. Legs smooth, slender. Wings partly and thinly blackish speckled; marginal line blackish; fringe cinereous, interlined with brown. Fore wings acute, with two dentate blackish lines; orbicular and reniform marks blackish between the lines; the former hardly half the size of the latter, which is not excavated; submarginal band blackish, nearly interrupted in the middle; exterior border hardly convex, moderately oblique. Hind wings luteous, with a blackish spot near the base and with two blackish bands, of which the first is slightly undulating. Length of the body 3 lines; of the wings 8 lines.

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#### HERBULA PICARIALIS.

Mas. *Nigricans*; palpi porrecti, capitis latitudine multo breviores, articulo 2o subtus fimbriato, 3o minimo; antennæ pubescentes; abdominis segmenta albo marginata; alæ fasciis duabus albidis, 1a postmedia undulata, 2a submarginali; anticæ subacutæ, maculis duabus albidis subcostalibus, fascia 1a antice subfurcata.

*Male.* Blackish, slender. Palpi porrect, white beneath towards the base, much shorter than the breadth of the head; second joint fringed beneath; third conical, very minute. Antennæ minutely pubescent. Abdomen extending a little beyond the hind wings; hind borders of the segments white. Legs slender, silvery cinereous. Wings with two whitish bands; first band postmedial, undulating, broader and more complete than the second, which is submarginal; fringe silvery cinereous. Fore wings slightly acute, with two whitish subcostal spots between the base and the first band, which is slightly forked near the costa; second band less complete than that of the

hind wings; exterior border straight, rather oblique. Length of the body  $3\frac{1}{2}$  lines; of the wings  $7\frac{1}{2}$  lines.

a. ——?

**HERBULA? SUBMARGINALIS.**

Fœm. *Ferruginea; palpi porrecti, pilosi, subtus albi, capiti latitudine multo breviores, articulo 3o minimo; aëre late, fascia lutea submarginali indeterminata; antice macula discali lutea; postice subtus basi lutea.*

*Female.* Ferruginous. Body beneath and legs silvery white. Palpi porrect, pilose, white beneath, much shorter than the breadth of the head; third joint very minute. Antennæ slender. Abdomen tapering from the base to the tip, extending very little beyond the hind wings. Legs smooth. Wings broad, with an irregular and incomplete submarginal luteous band. Fore wings acute, with a luteous discal spot, which extends on the under side to the band; exterior border slightly convex, moderately oblique. Hind wings beneath mostly luteous between the base and the band. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

a. ——? From Mr. Milne's collection.

**Genus TEGOSTOMA, C. L. H. xvii. 325.**

**TEGOSTOMA SUBDITALIS.**

*subditalis, Zl. Lep. Caffr. 25.*

Caffraria.

**Genus ANTHOPHIODES, C. L. H. xvii. 325.**

**ANTHOPHIODES MOSCHLERI.**

*Thalpocharies Moschleri, Christoph. Stett. Ent. Zeit. 1862, 220.*

Sarepta. Egypt.

**Genus ENNYCHIA, C. L. H. xvii. 326.**

**ENNYCHIA NIGRALIS, C. L. H. xvii. 327.**

*a, b. Alps.* From Dr. H.-Schæffer's collection.

**ENNYCHIA ALBOFASCIALIS, C. L. H. xvii. 327.**

*a—e. Silesia.* From Dr. H.-Schæffer's collection.

## ENNYCHIA MELALEUCALIS.

*melaleucalis*, *Eversm. Bull. Mosc.* 1852.

Irkoutsk.

## ENNYCHIA ACONTIALIS.

*acontialis*, *Std. Stett. Ent. Zeit.* 1859, 221. *H.-Sch. N. Schm.*  
f. 83, 84. *Var.?* *senicalis*, *Std.*

Andalusia.

## ENNYCHIA SORORIALIS.

*sororialis*, *Heyden, Stett. Ent. Zeit.* 1862.

Engadin.

## ENNYCHIA? CRASSALIS.

Fœm. *Nigricans, crassa; caput et thorax cinereo-cervina; palpi oblique ascendentes, subtus albi, articulo 3o conico; abdomen alas posticas longe superans, segmentis albo marginatis; alæ anticæ apice subrotundatae, basi cinereo-cervinæ, punctis non-nullis cyaneo-albis, fascia latissima cinereo-cervina maculam costalem strias duas lineamque exteriorem nigricantes includente, punctis marginalibus albis; posticæ vitta maculari fimbriaque albis.*

Female. Blackish, very stout. Body beneath and legs silvery white. Head and thorax dull cinereous fawn-colour. Palpi smooth, white beneath, obliquely ascending, not rising higher than the vertex; third joint conical, about one-sixth of the length of the second. Abdomen extending much beyond the hind wings; hind borders of the segments white. Legs smooth; tibiae and tarsi blackish above; joints of the latter with white tips. Fore wings slightly rounded at the tips, dull cinereous fawn-colour at the base, and with a very broad irregular band of the same hue nearly extending to the exterior border and containing a large costal spot, two streaks and an exterior line of the ground hue; some bluish white points in the disk; marginal points white; under side with a luteous band, which is almost interrupted near the costa and is much abbreviated towards the interior border; exterior border convex, slightly oblique. Hind wings with a stripe composed of three white spots; fringe white; under side with two luteous costal spots and with a white spot in the disk. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

a. Ega. From Mr. Bates' collection.

## Genus EMPREPES.

*Emprepes*, *Ld. Wien. Ent. Mon.* vii. 360.

## EMPREPES PUDICALIS.

*Rhodaria pudicalis*, *Cat. Lep. Het.* xvii. 316—*Emprepes pudicalis*,  
*Ld. Wien. Ent. Mon.* vii. 361.

Andalusia.

## Genus ALGEDONIA.

*Algedonia*, *Ld. Wien. Ent. Mon.* vii. 363.

## ALGEDONIA LUCTUALIS.

*Ennychia luctualis*, *Cat. Lep. Het.* xvii. 329—*Algedonia luctualis*,  
*Ld. Wien. Ent. Mon.* vii. 364.

a—c. Central Germany. From Dr. H.-Schäffer's collection.

## Genus ÆSCHREMON.

*Æschremón*, *Ld. Wien. Ent. Mon.* vii. 362.

## ÆSCHREMON DISPARALIS.

*disparalis*, *H.-Sch. Schm.* vi. 140, f. 134, 135.

Amasia.

## Genus PELAEA.

*Pelaea*, *Ld. Wien. Ent. Mon.* vii. 363.

## PELAEA RAMALIS.

*ramalis*, *Hb. Schm.* f. 92; *Treit. Schm.* vii. 186. *H.-Sch. Eur.*  
*Schm.* f. 58. *Ld. Wien. Ent. Mon.* vii. 363, pl. 8, f. 5.

Italy. Dalmatia.

## Genus AMBLYURA.

*Amblyura*, *Ld. Wien. Ent. Mon.* vii. 357.

## AMBLYURA CORUSCA.

*corusca*, *Ld. Wien. Ent. Mon.* vii. 358, pl. 6, f. 14.

Brazil.

Fam. ASOPIDÆ, C. L. H. xvii. 331.

Genus SYNGAMIA, C. L. H. xvii. 333.

SYNGAMIA SECUTALIS.

*Mas.* *Læte aurato-ochracea; caput et thorax cuprea; abdomen apice cupreum; alæ linea antemedia fasciaque marginali cupreis; anticæ vitta costali lata abbreviata fasciaque post-media interrupta cupreis.*

*Male.* Bright gilded ochraceous. Body beneath and legs silvery whitish. Head and thorax cupreous. Antennæ minutely crenulate. Abdomen cupreous towards the tip extending for nearly half its length beyond the hind wings. Fore tibiæ with two cupreous bands. Wings with an antemedial cupreous line and with a cupreous marginal band, which is broadest towards the costa. Fore wings with a broad irregular cupreous costal stripe, which extends from the base to a little beyond the middle, where it terminates in an interrupted band. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

Siam. Aru. New Guinea. Ceram.

a. Mysol. From Mr. Wallace's collection.

Genus SYNCHROMIA, C. L. H. xvii. 235.

*Mas.* Corpus gracile. Proboscis robusta. Palpi sat graciles, dense squamosi, usque ad apices pilosi, oblique ascendentibus, verticem non superantes, articulo 3o lanceolato 2i dimidio breviore. Antennæ validæ, subpubescentes. Abdomen lanceolatum, alas posticas dimidio superans; latera subfasciculata; fasciculus apicalis longus, subcompressus. Pedes glabri, graciles; calcaria longa, gracilia. Alæ anticæ sat angustæ, apice subrotundatae, margine exteriore convexo.

*Male.* Body slender. Proboscis stout. Palpi densely squamous-pilose to the tips, rather slender, obliquely ascending, not rising higher than the vertex; third joint lanceolate, less than half the length of the second. Antennæ robust, minutely pubescent. Abdomen lanceolate, with small tufts along each side, extending for half its length beyond the hind wings; apical tuft elongate, slightly compressed. Legs smooth, slender; spurs long, slender. Wings rather narrow. Fore wings slightly rounded at the tips; exterior border convex, moderately oblique; first and second inferior veins

connected at the base; third twice further from the fourth than from the second.

#### SYNCHROMIA COCCINEALIS.

**Mas.** *Coccinea; caput ochraceum; antennæ nigrae, apices versus argenteo-albae; abdominis segmenta subtus argenteo-albo marginata; pedes nigri, tarsorum articulis basi argenteo-albis; alæ fimbria nigra; antica plaga subapicali saturate cyanea; posticæ apice purpureo-nigrae, macula discali cyanea.*

**Male.** Crimson. Head and palpi ochraceous. Antennæ black, silvery white towards the tips. Pectus silvery white in front. Abdominal segments beneath from the second to the sixth black with silvery white hind borders. Legs black, tinged with silvery white; tarsal joints silvery white towards the base. Wings with a black fringe. Fore wings with a large dark blue subapical patch. Hind wings purplish black towards the tips; a blue spot in the disk. Length of the body  $3\frac{1}{2}$  lines; of the wings 7 lines.

*a, b.* St. Domingo. From Mr. Tweedie's collection.

#### Genus DESMIA, C. L. H. xvii. 336.

##### DESMIA? DIVISALIS.

*Fusca; palpi lati, erecti, articulo 2o apice albo, 3o conico; alæ aeneæ, lituris albis semihyalinis fusco marginatis; antica guitis duabus subcostalibus, macula antemedia magna fusco interlineata, macula exteriore costali; posticæ fascia lata obliqua lineam furcam subundulatam includente.*

Brown. Body beneath and legs silvery white. Palpi broad, erect, not rising higher than the vertex; second joint white at the tip; third conical, minute. Wings aeneous; fringe white; markings white, iridescent, semihyaline. Fore wings acute, with two brown-bordered subcostal dots, one close to the base, the other at one-fourth of the length; a large irregular antemedial spot extending across the wing, bordered by and partly including a brown line, connected by a streak with another brown-bordered spot, which extends from the costa to the middle of the breadth of the wing; exterior border slightly convex, very oblique. Hind wings with a broad oblique band, which is bordered with brown on its inner side and includes a slightly undulating brown line on its outer side. Length of the body 4 lines; of the wings 10 lines.

*a.* St. Domingo. From Mr. Tweedie's collection.

## DESMIA COLLARIS.

**Mas.** *Cupreo-fusca; caput argenteo-album; palpi oblique ascendentæ, articulo 3o parvo lanceolato; antennæ subserratae, dense setosæ, flexura antemedia serrata; thorax antice argenteo-albus; abdomen basi argenteo-album; alæ antice puncto maculaque quadrata subcostalibus strigaque costali supapicali albis, fimbria apud angulum interiorem albo notata; posticæ fimbria postica alba.*

**Male.** Cupreous-brown. Body beneath and legs silvery cinereous. Head silvery white. Palpi obliquely ascending, not rising higher than the vertex, white beneath towards the base; third joint lanceolate, about one-fourth of the length of the second. Antennæ slightly serrated, densely setose, bent and serrated at somewhat before half the length. Thorax silvery white in front. Abdomen extending for half its length beyond the hind wings, silvery white towards the base. Fore wings acute; a white sub-costal point at hardly beyond one-fourth of the length; a white sub-costal quadrate spot at a little beyond half the length; a little white costal streak near the tip; a white mark on the fringe by the interior angle. Hind wings with the fringe white along the hind part of the exterior border. Length of the body 5 lines; of the wings 11 lines.

Closely allied to *D. Egimiusalis*, but more slender, and the flexure of the antennæ is less incrassated.

**Morty.** In Mr. Saunders' collection.

## DESMIA CINCTA.

**Mas.** *Cupreo-fusca; palpi oblique ascendentæ, articulo 2o fibrato, 3o parvo lanceolato; antennæ subserratae, dense setosæ, nodo antemedio munitæ; abdomen basi albo fasciatum; tarsi antici incrassati; alæ antice macula subcostali antemedia guttaque costali elongata subapicali albis; posticæ fimbria postica alba.*

**Male.** Cupreous-brown. Body beneath and legs silvery white. Palpi obliquely ascending, not rising higher than the vertex, white beneath towards the base; second joint with a short thick fringe beneath; third lanceolate, about one-fourth of the length of the second. Antennæ minutely serrated, densely setose, incrassated rather before the middle. Abdomen extending somewhat beyond the

hind wings; a white band near the base. Fore tibiæ and fore tarsi brown above; fore tarsi incrassated. Fore wings hardly acute; a white round subcostal spot at a little before the middle; a white transversely elongated costal dot near the tip. Hind wings with the fringe white towards the interior angle. Length of the body 4 lines; of the wings 10 lines.

The abdomen of this species is much shorter and more robust than that of *D. collaris*.

New Guinea. Mysol. In Mr. Saunders' collection.

#### DESMIA MYSOLALIS.

Fœm. *Cupreo-fusca; palpi oblique ascendentes, articulo 2o robusto, 3o lanceolato; alæ antice apice rotundatae, puncto subcostali maculaque costali subquadrata albis, linea exteriore arcuata cinerea antice posticeque alba dilatata; posticæ spatio basali albo fasciam cupreo-fuscum abbreviatam includente, fimbriæ dimidio postico albo.*

Female. Cupreous-brown. Body beneath and legs silvery cinereous. Palpi obliquely ascending, not rising higher than the vertex, white beneath at the base; second joint stout; third lanceolate, about one-fourth of the length of the second. Pectus white in front. Abdomen extending rather beyond the hind wings. Fore wings rounded at the tips; a white subcostal point at one-fourth of the length; a white subquadrate costal spot at half the length; a cinereous curved line, which is dilated and white at each end and forms a costal spot near the tip and another spot on the interior border. Hind wings white for some space from the base and along most of the length of the costa; this hue including a cupreous-brown band, which is abbreviated towards the costa; fringe white along the hind half of the exterior border. Length of the body 4 lines; of the wings 10 lines.

Mysol. In Mr. Saunders' collection.

#### DESMIA LATALIS.

Fœm. *Obscure cupreo-fusca; palpi robusti, oblique ascendentes; alæ latiusculæ, fimbria alba basi cupreo-fusca; antice apice rotundatae, macula discali, gutta costali elongata postmedia punctisque duobus posticis albis; posticæ macula discali, punctis tribus posterioribus punctoque marginali albis.*

**Female.** Dark cupreous-brown. Body silvery cinereous beneath. Palpi stout, obliquely ascending, white beneath. Abdomen extending a little beyond the hind wings. Legs mostly brown above; tips of the tarsal joints silvery cinereous. Wings rather broad; fringe white, except at the base. Fore wings rounded at the tips; a white spot in the disk; a white elongated costal dot at three-fourths of the length; a white point near the interior border behind the spot, and another at the hind end of the exterior border; exterior border convex, rather oblique. Hind wings with a white spot in the disk; three white points between the spot and the interior border; a white point on the exterior border at somewhat behind the middle. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

Sula. In Mr. Saunders' collection.

#### DESMIA BASALIS.

**Mas.** *Nigro-fusca, cupreo sublincta; caput antice argenteo-album; palpi oblique ascendentibus, articulo 3o linearib; antennae robustae, pubescentes, subtus rufescentes, apices versus argenteae, fasciculo antemedio parvo, nodo postmedio subtus excavato; abdomen albo bifasciatum; ales anticae subacutae, lineis duabus subpallidioribus indistinctis, costa, gutta antemedia, macula postmedia, guttaque costali exteriore albis, fimbria cinerea postice alba; posticae macula antemedia fimbriaque albis.*

**Male.** Blackish brown, with a slight cupreous tinge. Body silvery white beneath. Head silvery white in front. Palpi squamous, obliquely ascending, not rising higher than the vertex, silvery white beneath, except towards the tips; second joint extending beyond the base of the third; third linear, about one-third of the length of the second. Antennæ stout, pubescent, incrassated and excavated at somewhat beyond the middle, reddish beneath, silvery towards the tips, with the exception of a blackish line; a slight tuft at somewhat before the middle. Abdomen extending for half its length beyond the hind wings, with a white band near the base, and with another at two-thirds of the length; apical tuft compressed, very small. Legs silvery cinereous; anterior legs brown above, except the tarsi. Fore wings slightly acute, with two indistinct slightly paler lines; a white antemedial dot and a white postmedial spot, both in the disk; a more exterior white dot on the costa, which is mostly white; fringe cinereous, except at the base, white near the interior angle; exterior border convex, very oblique. Hind wings

with a white spot in the disk before the middle, and with a white fringe. Length of the body 4 lines; of the wings 10 lines.

*Sula.* In Mr. Saunders' collection.

#### DESMIA REDUCTA.

*Mas.* *Cupreo-fusca, purpureo-suffusa; palpi arcuati, ascendentis, articulo 3o lanceolato; antennæ setulose, sub serratae, nodo antemedio munitæ; alæ anticae subacutæ, basi cinereæ, puncto antemedio puncto que subapicali costalibus cinereis.*

*Male.* Cupreous-brown, purple-tinged. Body beneath and legs silvery white. Palpi curved, nearly erect, white beneath towards the base, not rising higher than the vertex; third joint lanceolate, about one-third of the length of the second. Antennæ setulose, minutely serrated, incrassated at somewhat before the middle. Abdomen extending much beyond the hind wings. Fore wings slightly acute, with a cinereous costal point at a little before the middle, and with another cinereous costal point near the tip; base cinereous, this hue occupying a larger space beneath. Length of the body 3 lines; of the wings 8 lines.

*Mysol.* In Mr. Saunders' collection.

#### DESMIA CRUDALIS.

*Mas.* *Fusca; palpi oblique ascendentis, verticem non superantes, articulo 3o conico minimo; antennæ biflexæ, uninodosæ, dense setulose; alæ æneo-cinereæ, macula alba semihyalina; antica apice subrotundatae, macula subquadrata, macula exteriore alba costali, fimbria postice alba; postica litura parva alba marginali.*

*Male.* Brown. Body beneath and legs silvery cinereous. Palpi smooth, obliquely ascending, not rising higher than the vertex; third joint conical, not more than one-sixth of the length of the second. Antennæ thickly setulose, bent at somewhat before the middle of the length and again near the tips, where they are slightly nodose. Legs smooth, slender. Wings æneous-brown, moderately broad, with a white semihyaline spot in the disk near the costa. Fore wings slightly rounded at the tips; subcostal spot subquadrate, larger than that of the hind wings; a white costal spot at two-thirds of the length; fringe white towards the interior angle. Hind wings

with a small white mark on the exterior border at a little behind the middle. Length of the body 4 lines; of the wings 11 lines.

a. —?

Genus *ÆDIODES*, C. L. H. xvii. 347.

*ÆDIODES QUATERNALIS.*

*quaternalis*, Ld. Wien. Ent. Mon. vii. 483, pl. 17, f. 1.

Ambona.

*ÆDIODES MINUALIS.*

Mas. *Cupreo-fusca; abdomen alas posticas paullo superans, segmentis albo marginatis, fasciculo apicali cinereo parvo sub-compresso; alæ sat angustæ, fimbria argenteo-albida fusco interlineata; anticæ lineis duabus albidis, 2a valde flexa apud costam dilatata, puncto maculisque duabus albis intermediis; posticæ linea alba antice dilatata et abbreviata.*

Male. Cupreous-brown, slender. Body beneath and legs silvery white. Abdomen extending a little beyond the hind wings; hind borders of the segments white; apical tuft small, cinereous, slightly compressed. Wings rather narrow; fringe silvery whitish, interlined with brown. Fore wings acute, with two whitish lines; first line near the base; second beyond the middle, dilated and white on the costa, its middle part deeply bent; a white point and two subquadrate white spots between the lines; first spot behind the point; second beyond the point. Hind wings with a white oblique middle line, which is dilated and abbreviated towards the costa. Length of the body  $2\frac{1}{2}$  lines; of the wings  $8\frac{1}{2}$  lines.

a. North America. From Mr. Carter's collection.

*ÆDIODES INSCITALIS.*

Fœm. *Fusca; palpi oblique ascendentes, subtus dense fimbriati, articulo 3o minimo; abdomen alas posticas fere dimidio superans, segmentis argenteo-albo marginatis; alæ latiusculæ, dimidio basali albæ feræ hyaline; anticæ acutæ, basi, vitta costali, maculis duabus quadratis lineaque exteriore interrupta fuscis, striga adhuc exteriore alba subhyalina; posticæ fascia lineaque exteriore fuscis angulosis.*

Female. Brown. Body beneath and legs silvery white. Palpi obliquely ascending, hardly rising higher than the vertex, silvery

white and with a short thick fringe beneath; third joint very minute. Antennæ minutely pubescent. Abdomen lanceolate, extending for nearly half its length beyond the hind wings; hind borders of the segments silvery white. Legs slender; fore tibiae with two brown bands; joints of the fore tarsi with brown bands. Wings iridescent rather broad; space from the base to beyond the middle mostly white and nearly hyaline. Fore wings acute, brown at the base with a brown costal stripe, and with two quadrate brown spots, which are connected with the stripe; an exterior interrupted brown line; a more exterior short transverse white nearly hyaline streak; exterior border slightly convex and oblique. Hind wings with a zigzag brown band and with an exterior zigzag brown line. Length of the body 5 lines; of the wings 10 lines.

a. Hindostan. Presented by Sir. J. Hearsey.

#### *ÆDIODES BOOTANALIS.*

Mas. *Cupreo-fusca; palpi graciles, fimbriati, suberecti, verticem paullo superantes, articulo 3o conico; antennæ dense setosæ; abdominis segmenta albo marginata; alæ antice, puncto basali, macula antemedia transversa, macula costali postmedia transversa, gutta submarginali guttaque postica albis, fimbria postica alba; postice macula basali, macula postmedia magna maculaque submarginali angusta transversa albis, fimbria apica alba.*

*Male.* Cupreous-brown. Body beneath silvery white. Palps slender, fringed, nearly erect, white beneath, except at the tip rising a little higher than the vertex; third joint conical, not more than one-fourth of the length of the second. Antennæ dense setose. Abdomen lanceolate, extending for half its length beyond the hind wings; hind borders of the segments white; under side with a cupreous band on the fore border of each segment. Femora beneath mostly silvery white. Fore wings acute, with five white marks; a point in the disk near the base, a transverse spot in the disk before the middle; a transverse costal spot at three-fourths the length, a transverse dot near the interior border beyond the middle and another near the middle of the exterior border; fringe white near the interior angle. Hind wings with three white marks; a narrow transverse spot near the hind part of the exterior border, a large round spot in the disk beyond the middle and another ne-

the base ; fringe white at the tip of the wing. Length of the body 6 lines ; of the wings 11 lines.

a. Bootan. Presented by the Secretary of the India Board.

#### AEDIODES EQUALIS.

Mas. *Cupreo-fusca, robusta, purpureo suffusa ; palpi lati, breves, vix ascendentibus ; abdomen alas posticas longe superans, fascia subapicali alba, fasciculo apicali compresso ; alae latiusculae, fimbria apud angulum interiorem alba ; antice maculis tribus transversis albis, 1a 2aque parvis, 3a magna ; postice maculis duabus magnis transversis albis.*

Male. Cupreous-brown, stout, purple-tinged. Body beneath and legs silvery white. Palpi broad, hardly ascending, white beneath, much shorter than the breadth of the head ; third joint extremely short. Antennæ setose. Abdomen extending somewhat beyond the hind wings, with a white subapical band ; apical tuft compressed. Legs stout ; fore femora with cupreous tips ; fore tibiæ cupreous, except at the base. Wings rather broad ; fringe white towards the interior angle. Fore wings hardly acute, with three transverse white iridescent semihyaline spots in the disk ; first and second spots small, antemedial ; third postmedial, large, narrower in front. Hind wings with two large transversely elongated white semihyaline spots ; first spot very near the base ; second in the middle. Length of the body 4½ lines ; of the wings 11 lines.

New Guinea. In Mr. Saunders' collection.

#### AEDIODES MYSOLALIS.

Mas. *Pallide flava ; caput et thorax ochraceo conspersa ; palpi robusti, arcuati, verticem non attingentes, articulo 3o longiconico ; alae purpurascentes, basi pallide flavæ ochraceo conspersæ, atomis nonnullis disco fuscis, linea exteriore undulata e punctis nigris ; antice playa discali pallide flava ochraceo conspersa.*

Male. Pale yellow, silvery cinereous beneath. Head, palpi and thorax speckled with ochraceous. Palpi stout, squamous, curved, applied to the head, not rising so high as the vertex ; third joint elongate-conical, less than half the length of the second. Antennæ pubescent. Fore tibiæ ochraceous, brown towards the tips ; fore tarsi whitish, brown at the tips. Wings purplish, pale yellow and with ochraceous speckles towards the base ; some brown speckles

in the disk; an exterior slightly undulating line of black points. Fore wings acute, with a pale yellow ochraceous-speckled patch in the disk; exterior border almost straight, very oblique. Length of the body 5 lines; of the wings 12 lines.

Mysol. In Mr. Saunders' collection.

#### *ÆDIODES PARVALIS.*

Fœm. *Fusca; oculi albo cincti; palpi porrecti, breves, articulis 2o 3oque basi albis, 3o lanceolato; alæ anticae apice subrotundatae, maculis tribus discalibus subconnexis, macula costalis postmedia lineaque punctulari subarcuata albis; posticæ macula puncto postico albis.*

*Female.* Brown. Body silvery white beneath. Head silvery white about the eyes. Palpi porrect, smooth, much shorter than the breadth of the head; second and third joints silvery white towards the base; third lanceolate, nearly as long as the second. Antennæ and legs slender. Abdomen extending for half its length beyond the hind wings. Fore wings slightly rounded at the tips; three white spots in the disk, nearly connected with each other; the second behind the space between the second and the third; a white spot on the costa at a little beyond two-thirds of the length, in connection with a slightly-curved line of white points; exterior border convex, moderately oblique. Hind wings with a white spot in the disk and a white point on the interior border beyond the middle. Length of the body 3 lines; of the wings 7 lines.

Sula. In Mr. Saunders' collection.

#### Genus SAMEA, C. L. H. xvii. 349.

##### *SAMEA IMPARALIS.*

Fœm. *Fusca; palpi lati, breves, oblique ascendentes, articulo 3o minimo; antennæ gracillimæ; pedes longi, gracillimi; alæ anticae longæ, angustæ, apice subrotundatae, plaga basali maculisque quinque aurato-flavis; posticæ basi aurato-flavæ.*

*Female.* Brown, slender. Body beneath, antennæ and legs shining white, slightly gilded. Palpi broad, smooth, obliquely ascending, not rising so high as the vertex; third joint conical, extremely minute. Antennæ long, very slender. Abdomen extending much beyond the hind wings. Legs long, very slender. Wings long, narrow. Fore wings slightly rounded at the tips, with a gilded

yellow patch on the base of the interior border and with five gilded yellow spots; first and second spots subcostal; third exterior, costal; fourth in the disk, behind the third; fifth on the interior border, opposite the second; exterior border convex, extremely oblique. Hind wings gilded yellow towards the base; outline of this hue extending from somewhat beyond the middle of the costa to near the end of the interior border. Length of the body 4 lines; of the wings 9 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### SAMEA DIGNOTALIS.

*Purpurascente-fusca; palpi caput paullo superantes, articulo 3o brevissimo; pedes subaurato albidi, tibiis basi apiceque nigricantibus; alæ anticae fasciis tribus indeterminatis e maculis guttisque aurato-flavis semihyalinis, fasciis 2a 3aque postice connexis; posticæ albidæ, semihyalinæ, striga lata transversa lineaque exteriore undulata purpurascente-fuscis.*

Purplish brown. Body silvery white beneath. Palpi porrect, obtuse, extending a little beyond the head; third joint very short. Legs whitish, smooth, slender, slightly gilded; tibiae blackish at the base and at the tips. Fore wings with three very irregular bands of pale gilded yellow semihyaline spots and dots of various size; second and third bands connected near the interior border. Hind wings whitish and semihyaline for about two-thirds of the length from the base, with a broad transverse streak and an exterior undulating line of the ground hue. Length of the body 4½ lines; of the wings 11 lines.

a. Limas, Honduras. Presented by H. T. Stainton, Esq.

#### SAMEA DILUTALIS.

*Aurato-flava; palpi porrecti, lati, breves, obtusi, articulo 3o minimo; femora antica supra nigricantia; tibiae anticae nigricante bifasciatae; alæ anticae fasciis quatuor purpurascentibus, la 2aque postice connexis, 2a excavata, 3a 4aque postice connexis, 4a excavata; posticæ litura parva discali, lituris tribus apud marginem interiorem spatioque magno apicali excavato purpurascentibus.*

Gilded yellow. Body silvery white beneath. Palpi porrect, broad, obtuse, extending very little beyond the head, third joint extremely short. Thorax with two purplish bands. Legs silvery

white, smooth, slender; fore femora blackish above; fore tibiae with two blackish bands. Fore wings with four purplish darker-bordered bands; first band near the base, very oblique, connected near the interior border with the second, whose disk is mostly of the ground hue; third broad, straight, entire, connected hindward with the fourth, which partly extends to the exterior border, and of which some part of the disk is of the ground hue. Hind wings with a small purplish mark in the disk, with three purplish marks on the interior border, and with a large purplish apical space, which is partly bordered by a darker line on the inner side and is excavated near the interior angle and contains a spot of the ground hue. Length of the body 4 lines; of the wings 10 lines.

a. Limas, Honduras. Presented by H. T. Stainton, Esq.

#### SAMEA DISERTALIS.

*Mas.* *Cupreo-fusca; palpi porrecti, caput paullo superantes, articulo 3o brevissimo; thorax albo bifasciatus; abdomen alas posticas longissime superans, segmentis albo marginatis; alae antice angusta, e maculis variis albis semihyalinis nigro marginatis trifasciata, fasciis 2a 3aque connexis; postica æneo-alba, maculis tribus, linea exteriore fasciaque marginali lata cupreo-fuscis.*

*Male.* Cupreous-brown, slender. Body silvery white beneath. Palpi porrect, pilose, extending a little beyond the head; third joint very short. Antennæ smooth, slender. Thorax with two white bands. Abdomen extending very much beyond the hind wings; hind borders of the segments white. Legs smooth, slender. Wings narrow. Fore wings with three irregular bands, which are formed by clusters of white semihyaline black-bordered spots of various size; these are smallest and most numerous in the third band, which is connected with the second. Hind wings æneous-white; three cupreous-brown spots, two in the disk and one on the interior border; an exterior cupreous-brown line and a broad cupreous-brown marginal band. Length of the body 5 lines; of the wings 12 lines.

a—d. Limas, Honduras. Presented by H. T. Stainton, Esq.

#### SAMEA DISCESSALIS.

*Mas.* *Cupreo-fusca; palpi porrecti, pilosi, caput paullo superantes, articulo 3o brevissimo; thorax albido bifasciatus; abdominis segmenta albo marginata; alae antice fasciis tribus*

*albidis nigricante marginatis et interlineatis; posticæ albidae, litura discata, linea exteriore fasciaque marginali cupreofuscis.*

**Male.** Cupreous-brown. Body white beneath. Palpi porrect, pilose, extending a little beyond the head; third joint very short. Thorax with two whitish bands. Hind borders of the abdominal segments white. Fore wings with three irregular whitish bands, each of which is blackish bordered and contains an undulating blackish line. Hind wings whitish, with a cupreous-brown mark in the disk, an exterior cupreous-brown line and a cupreous-brown marginal band. Length of the body 4 lines; of the wings 10 lines.

This species is closely allied to *S. disertalis*.

a. Limas, Honduras. Presented by H. T. Stainton, Esq.

#### SAMEA? OBLITERALIS.

**Male.** Pallide ochracea; palpi porrecti, breves, subfimbriati, articulo 3o minimo; alæ elongatae, fasciis tribus albis obliquis abbreviatis fusco marginatis, 3a lineam fuscum undulatam includente.

**Male.** Pale ochraceous, white beneath. Palpi porrect, with a short fringe beneath, much shorter than the breadth of the head; third joint extremely small. Antennæ pubescent. Legs slender. Wings elongate, with three white oblique abbreviated brown-bordered bands, the third including a brown undulating line. Fore wings acute; exterior border slightly convex, rather oblique. Length of the body 3 lines; of the wings 7 lines.

Brazil. In Mr. Saunders' collection.

#### SAMEA IRRUPTALIS.

**Fœm.** Cinerea; palpi graciles, subascendentes, subtus albi, capitis latitudine multo breviores, articulo 3o minimo; alæ elongatae, nigricante conspersæ, lineis duabus latis punctisque marginatis elongatis nigris; anticæ costa strigaque pallide ochraceis, maculis duabus nigris, 1a costali, 2a subcostali.

**Female.** Cinereous. Body beneath and legs silvery white. Palpi slender, white beneath, slightly ascending, much shorter than the breadth of the head; third joint very minute. Antennæ stout. Legs smooth, slender. Wings elongate, blackish-speckled, with two broad irregular black lines and with elongated black marginal points.

Fore wings slightly acute; costa and a streak along the interior border pale ochraceous; two black irregular spots; first costal, on the inner side of the first line, which does not extend to the costa; second subcostal, on the inner side of the second line, which is much bent outward in front; exterior border slightly convex, rather oblique. Length of the body 4 lines; of the wings 9 lines.

a. Moreton Bay. From Mr. Diggles' collection.

Genus **SALBIA**, *C. L. H.* xvii. 357.

**SALBIA VARIALIS.**

*varialis*, *Wlk. Trans. Ent. Soc. Lond.* 3rd Ser. i. 122.

Amazon Region.

**SALBIA SQUAMOSALIS.**

*squamosalis*, *Wlngr. Wien. Ent. Mon.* iv. 175.

Puna.

**SALBIA CONTINUALIS.**

*continualis*, *Wlngr. Wien. Ent. Mon.* iv. 175.

Honolulu.

Genus **ASOPIA**, *C. L. H.* xvii. 363.

**ASOPIA TORRIDALIS.**

*torridalis*, *Ld. Wien. Ent. Mon.* vii. 342, 457, pl. 6, f. 15.

Ceylon.

**ASOPIA RUFULALIS.**

*rufulalis*, *Ld. Wien. Ent. Mon.* vii. 343, 458, pl. 7, f. 3.

Valdivia.

**ASOPIA DECOLORALIS.**

*decoloralis*, *Ld. Wien. Ent. Mon.* vii. 343, 458, pl. 6, f. 10.

Australia.

**ASOPIA RESECTALIS.**

*resectalis*, *Ld. Wien. Ent. Mon.* vii. 343, 458, pl. 7, f. 6.

Venezuela.

## ASOPIA TRENTONALIS.

*trentonalis*, Schläger, MSS. *Ld. Wien. Ent. Mon.* vii. 343, 458,  
pl. 7, f. 2.

N. America.

## ASOPIA CÆSIALIS.

*cæsalis*, Zll. Lep. Caffr. 22.

Natal.

## ASOPIA DEPRESSALIS.

*depressalis*, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 122.

Cape.

## ASOPIA DOTATALIS.

*Aurato-flava*; *palpi ochracei, porrecti, lati, articulo 3o brevissimo*;  
*thoracis latera antica ochracea; alæ lineis duabus nigricanti-*  
*buss subangulosis, fascia marginali ochracea lata nigricante*  
*subnebulosa, linea marginali nigra, fimbria albida nigricante*  
*interlineata; anticæ linea 2a valde undulata, costa lineaque*  
*antemedia ochraceis, striga exteriore nigricante.*

Gilded yellow. Palpi ochraceous, broad, porrect, shorter than the breadth of the head; third joint extremely short. Thorax ochraceous on each side in front. Pectus silvery white. Legs silvery white, long, very slender; fore tibiae blackish towards the tips. Wings with two blackish oblique slightly zigzag lines; first antemedial; second postmedial, very deeply undulating in the fore wings; a broad ochraceous marginal slightly blackish-shaded band; marginal line black; fringe whitish, interlined with blackish near the base. Fore wings acute, ochraceous along the costa; an oblique ochraceous line very near the base; a blackish streak extending from near the curve of the second line towards the costa; exterior border slightly convex, rather oblique. Length of the body 3 lines; of the wings 8 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

## ASOPIA? CURTALIS.

*Mas. Argenteo-alba; caput et thorax fuscescentia; alas breviusculæ,*  
*linea antemedia fusca lata obliqua, fascia marginali latissima*  
*pallide ochracea fusco marginata fasciam angustum album*

*fusco marginatam strigas duas fuscas emittentem includente; anticæ linea media lata obliqua vix undulata annuloque subcostali fuscis.*

*Male.* Pale ochraceous. Body beneath and legs silvery white. Head and thorax brownish. Abdomen with a slight teneous tinge, extending a little beyond the hind wings; apical tuft small, compressed. Wings rather short, with two irregular white brown-bordered bands, and with a brown marginal line; the second band emitting two broad brown streaks to the exterior border. Fore wings hardly acute, with a broad middle oblique hardly undulating brown line, which joins an irregular brown subcostal ringlet; exterior border hardly convex, moderately oblique. Length of the body  $2\frac{1}{2}$  lines; of the wings 7 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### ASOPIA SOCIALIS.

*Pallide aurato-flava; caput et thorax purpurascens; palpi porrecti, breves, lati; alæ lineis tribus fuscis obliquis, fascia marginali purpurascente; anticæ apud costam purpurantes, linea 2a undulata.*

Pale gilded yellow. Head and thorax purplish. Palpi broad, porrect, little longer than half the breadth of the head. Wings with three oblique brown lines, and with a purplish marginal band. Fore wings broadly and irregularly purplish along the costa; second line undulating. Length of the body 3 lines; of the wings 7 lines.

Most allied to *A. venialis*.

Flores. In Mr. Saunders' collection.

#### ASOPIA? MICROCHRY SALIS.

*Mas. Pallide aurato-lutea; palpi porrecti, graciles, caput parvole superantes, articulo 3o minimo; abdomen nigricante bifasciatum; pedes gracillimi; alæ lineis duabus angulosis atomisque nonnullis nigricantibus; anticæ lituris costalibus nigricantibus, reniformi nigricante marginata, linea 2a valde flexa.*

*Male.* Pale gilded luteous. Body beneath and legs silvery white. Palpi porrect, slender, extending a little beyond the head; third joint very minute. Abdomen with two narrow blackish bands, extending a little beyond the hind wings. Legs smooth, very slender. Wings with two zigzag oblique blackish lines and with some blackish

speckles, which are most prevalent on the hind wings. Fore wings acute, with a few elongated blackish marks on the costa; reniform mark blackish bordered; second line much bent outward in the middle; exterior border slightly convex, moderately oblique. Length of the body  $2\frac{1}{2}$  lines; of the wings 6 lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### ASOPIA SUFFECTALIS.

**Fœm.** *Aurato-ochracea; oculi albo cincti; palpi porrecti, rostri-formes, subtus albi; alæ lineis duabus nigris subangulosis, fimbria cinerea nigricante interlineata; anticæ striga nigra, linea 2a valde flexa; punctis marginalibus nigris; posticæ linea 2a diffusa, linea marginali nigra.*

**Female.** Deep gilded ochraceous. Body beneath and legs silvery whitish, slightly gilded. Orbita of the eyes white. Palpi porrect, rostriform, as long as the breadth of the head, silvery white beneath. Pectus silvery white. Wings with two black slightly zigzag lines; first line antemedial; second postmedial; fringe dark cinereous, interlined with blackish near the base. Fore wings acute, with a black streak between the costa and the curve of the post-medial line, which is very deeply bent and almost obsolete in the middle; marginal points black; exterior border slightly convex, moderately oblique. Hind wings with a blackish tinge along the outer side of the postmedial line, and with a black marginal line. Length of the body 3 lines; of the wings 8 lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### Genus HYALEA, C. L. H. xvii. 375.

##### HYALEA FULVIDALIS.

fulvidalis, Wlngr. Wien. Ent. Mon. iv. 174.

Tahiti.

#### Genus AGATHODES, C. L. H. xvii. 377.

##### AGATHODES DIVERSALIS.

**Mas.** *Cervina, iridescens; caput postice ochraceum; palpi porrecti, lati, articulo 3o longi-conico; tibiae fusco fimbriatae; alæ anticæ flavæ, falcatae, rufescente conspersæ, basi rufescentes, plaga antemedia chalybæo-rufa, fascia postmedia latissima obliqua rufescente-ochracea postice flava, macula postmedia*

*maculaque subapicali albidis subhyalinis, margine exteriore undulato; posticæ albæ, subhyalinae, apice ochraceo-cervinae.*

**Male.** Fawn-colour, with iridescent reflections. Body beneath and legs silvery white. Head ochraceous behind the base of the antennæ. Palpi porrect, squamous, broad, white beneath, shorter than the breadth of the head; third joint elongate-conical, not more than one-fourth of the length of the second. Antennæ pubescent. Abdomen extending very far beyond the hind wings. Tibiæ fringed with brown hairs; fore tibiæ very short. Fore wings falcate, yellow, reddish-speckled, reddish at the base and along the costa; a chalybeous-red antemedial patch in the disk; a very broad postmedial oblique ochraceous reddish-tinged band, which becomes yellow towards the interior border; a whitish nearly hyaline spot in the disk beyond the middle and another near the tip; a ferruginous line extending along the fore half of the exterior border, which is undulating. Hind wings white, nearly hyaline, fawn-colour and partly ochraceous about the tips. Length of the body 11 lines; of the wings 26 lines.

a. Darjeeling. Presented by the Secretary of the India Board.

b. Hindostan. Presented by Sir J. Hearsey.

#### Genus TERASTIA, C. L. H. xvii. 379.

##### TERASTIA PROCERALIS.

proceralis, Ld. Wien. Ent. Mon. vii. 480.

Hindostan.

##### TERASTIA SUBJECTALIS.

subjectalis, Ld. Wien. Ent. Mon. vii. 480.

Hindostan. Philippine Isles.

##### TERASTIA? OCHRAEALIS.

**Fœm.** Ochracea; palpi robusti, pilosi, oblique ascendentes, articulo 3o lanceolato; antennæ subpubescentes; alæ anticæ lineis quatuor angulosis nigricantibus, 4a flexa, annulis duobus subcostalibus nigricantibus, margine exteriore angulato; posticæ albidæ, subauratae, fere opalinae.

**Female.** Ochraceous, stout. Body beneath and legs silvery cinereous. Palpi stout, pilose, obliquely ascending, not rising higher

than the vertex; third joint lanceolate, about half the length of the second. Antennæ minutely pubescent. Abdomen extending much beyond the hind wings. Fore wings acute, with four zigzag blackish lines, of which the fourth is much curved outward; two subcostal blackish ringlets between the second and third lines; exterior border forming an obtuse angle at one-third of its length from the interior angle. Hind wings whitish, iridescent, slightly gilded, nearly hyaline. Length of the body 8 lines; of the wings 18 lines.

a. Cuenca. From Mr. Fraser's collection.

Genus MEGAPHYSA, *C. L. H.* xvii. 380.

MEGAPHYSA? SERENALIS.

**Mas et fœm.** *Cinereo-cervina; caput antice cervinum; palpi cervini, verticem paullo superantes, articulo 3o conico; thorax nigro conspersus; abdomen basi albo fasciatum; alas iridescentes, punctis marginalibus nigricantibus; antice striga fusca lata nigricante marginata nonnunquam latissima, plaga basali ochracea parva, orbiculari et reniformi ochraceis fusco marginalis; posticæ cinereæ, semihyalinæ, æneo marginatæ.*

**Male and female.** Cinereous fawn-colour, stout. Head fawn-colour in front. Palpi fawn-colour, erect, stout, squamous, white beneath at the base, rising a little higher than the vertex; third joint conical, not more than one-sixth of the length of the second. Antennæ stout, densely setose in the male, minutely setulose in the female. Thorax black-speckled. Abdomen lanceolate, with a white band near the base, extending much beyond the hind wings; apical tuft of the male small, compressed. Legs rather stout; tibiæ, tarsi and anterior femora with blackish bands. Wings brilliantly iridescent, with blackish marginal points. Fore wings acute, with a broad irregular brown streak, which is bordered in front by a black line, and is sometimes dilated and forms a large patch, and occupies most of the exterior border and of the interior border; a small ochraceous patch near the base; orbicular mark ochraceous, elliptical, longitudinal, brown-bordered; reniform ochraceous, brown-bordered, lunulate; exterior border convex, rather oblique. Hind wings cinereous, semihyaline, æneous about the exterior border. Length of the body 6½—7 lines; of the wings 14—15 lines.

c. St. Domingo. From Mr. Tweedie's collection.

**Genus DARABA, C. L. H. xvii. 385.**

**DARABA IDMONALIS, C. L. H. xvii. 385.**

**Var. Megaphysa Laisalis, C. L. H. xvii. 382.**

**Genus ATHEROPODA.**

**Atheropoda, Ld. Wien. Ent. Mon. vii. 413.**

**ATHEROPODA INSCRIPTALIS.**

**Megaphysa inscriptalis, C. L. H. xvii. 381.**

**ATHEROPODA INFERIORALIS.**

**Megaphysa inferioralis, C. L. H. xvii. 381.**

**ATHEROPODA BISTRALIS.**

**Megaphysa bistralis, C. L. H. xvii. 381.**

**ATHEROPODA CORYLALIS.**

**Megaphysa Corylalis, C. L. H. xvii. 381.**

**ATHEROPODA DAMALIS.**

**Megaphysa Damalis, C. L. H. xvii. 382.**

**ATHEROPODA MAJORALIS.**

**Megaphysa majoralis, C. L. H. xvii. 382.**

**ATHEROPODA SIBILALIS.**

**Megaphysa sibilalis, C. L. H. xvii. 382.**

**Genus SPARAGMIA, C. L. H. xvii. 384.**

**SPARAGMIA? MELLICULALIS.**

**melliculalis, Ld. Wien. Ent. Mon. vii. 480, pl. 15, f. 6.**

**Venezuela.**

## Genus DARABA, C. L. H. xvii. 385.

## DARABA EXTENSALIS.

**Mas.** *Ochracea; palpi porrecti, rostriformes, articulo 3o conico; alæ flavescente-cinereæ, punctis marginalibus fuscis elongatis; anticeæ plagis quinque fasciaque marginali ochraceis; posticæ maculis tribus plagaque apicali ochraceis fuscescente marginatis.*

**Male.** Ochraceous, slender, yellowish cinereous beneath. Front very prominent. Palpi porrect, rostriform, shorter than the breadth of the head; third joint conical, about one-fourth of the length of the second. Abdomen extending much beyond the hind wings; apical tuft elongate. Legs long, slender. Wings yellowish cinereous, long, rather broad; marginal points brown, elongated. Fore wings slightly acute, with five ochraceous patches, which form four incomplete bands; marginal band deeper ochraceous, not extending to the interior angle; exterior border convex, moderately oblique. Hind wings with three dull ochraceous brownish-bordered spots, which form an incomplete band, and with a subapical patch of the same hue. Length of the body 5 lines; of the wings 14 lines.

a. Auckland, New Zealand. Presented by Col. Bolton.

## Genus ENDOTRICHA, C. L. H. xvii. 388.

## ENDOTRICHA CONSOBRINALIS.

*consobrinalis, Zll. Lep. Caffr. 24.*

Natal.

## ENDOTRICHA? RHODOPHILALIS.

**Mas.** *Aurato-flava; palpi porrecti, pilosi, roseo quadrimaculati, articulo 3o lanceolato 2o vix breviore; abdomen basi roseum; alæ basi roseo subconspersæ, lineis duabus angulosis fasciaque submarginali undulata roseis, fimbria rosea albo marginata; anticeæ linea 2a flexa, plaga rosea magna costali; posticæ margine interiore albo-fimbriato.*

**Male.** Bright gilded yellow, paler beneath. Body beneath and legs silvery white. Palpi porrect, pilose, shorter than the breadth of the head, with four rosy spots on the outer side; third joint lanceolate, nearly as the second. Antennæ setulose. Abdomen extending much beyond the hind wings, rosy towards the base; apical tuft

rosy, small, compressed. Legs rather stout; anterior tibiæ mostly yellow above, with a rosy dot at the base; fore tarsi with two yellow slightly rosy-marked bands. Wings slightly rosy-speckled at the base, with two very zigzag rosy lines; first line antemedial; second postmedial; an undulating submarginal rosy band; fringe rosy, white-bordered. Fore wings acute; a large rosy patch extending from the costa to the second line, which is much bent; exterior border slightly convex, very oblique. Hind wings with a long white fringe on the interior border. Length of the body 3 lines; of the wings 7 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

Genus LEUCINODES, *C. L. H.* xvii. 392.

LEUCINODES VENUSTALIS.

Mas. *Ochracea; palpi verticem non superantes, articulo 2o oblique ascende[n]te nigro bipunctato, 3o lanceolato porrecto apice nigro; antennæ ochraceæ, crenulatæ, fasciculo parvo antemedio nigro; alæ albidae, fere hyalinæ, linea marginali nigra, fimbria ochracea varia; antice apud costam ochraceæ, striis tribus latis transversis purpurascensibus nigro marginatis, spatio marginali ochracea fasciam subhyalinam nigricante marginatam guttamque album nigro marginatam includente, guttis quinque costalibus albis nigricante marginalis; postice linea postmedia nigra indeterminata, spatio exteriore ochraceo.*

*Male.* Ochraceous. Body beneath and legs silvery white. Palpi hardly angular, much shorter than the breadth of the head; second joint obliquely ascending, with two black points above; third lanceolate, porrect, black toward the tip, much shorter than the second. Autennæ ochraceous, crenulate, with a small black tuft above at one-third of the length. Legs slender. Wings whitish, iridescent, nearly hyaline; marginal line black, slender; fringe partly ochraceous. Fore wings acute, broadly ochraceous along the costa, whence three broad bright purplish black-bordered streaks extend to the disk; one-third of the length from the exterior border ochraceous, including a nearly hyaline irregular band (which is blackish-bordered on the inner side) and a round white black-bordered submarginal dot; five white blackish-bordered costal dots; fringe with four small blackish marks; exterior border very slightly convex, rather oblique. Hind wings with an incomplete oblique

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postmedial black line, mostly ochraceous between this line and the exterior border. Length of the body 3 lines; of the wings 8 lines.

a. St. Domingo. From Mr. Tweedie's collection.

LEUCINODES? DISCERPTALIS.

Mas. *Alba*, sat robusta; palpi cervini, porrecti, pubescentes, subtus albi; abdomen alas posticas dimidio superans, fasciculo apicali magno; ale albidae, angustae, semihyalinae; anticae apice subrotundatae, basi fasciaque postmedia abbreviata pallide ochraceis, striga submarginali nigra, fascia marginali nigra, lituris nonnullis nigris parvis.

Male. White, rather stout. Body beneath and legs silvery white. Proboscis moderately long. Palpi porrect, stout, pubescent, fawn-colour above, much shorter than the breadth of the head; third joint elongate-conical, about one-third of the length of the second. Antennae stout, smooth. Abdomen extending for full half its length beyond the hind wings; apical tuft large. Legs smooth. Wings whitish, narrow, semihyaline. Fore wings slightly rounded at the tips, pale ochraceous at the base, and with a pale ochraceous band, which is at somewhat beyond three-fourths of the length and is abbreviated in front; this band is divided by a transverse black streak from a brighter ochraceous incomplete marginal band; a few small irregular black marginal marks. Length of the body 3 lines; of the wings 7 lines.

a. Limas, Honduras. Presented by H. T. Stainton, Esq.

LEUCINODES? EXEMPTALIS.

Mas. *Pallidissime ochracea*; palpi latiusculi, oblique ascendentes, articulo 3o brevissimo; antennae robustae; pedes graciles; ale anticæ elongatae, acutæ, sat angustæ, lineis duabus undulatis albis, macula intermedia elongata obliqua pallide fusca albo marginata, punctis marginalibus nigricantibus albo marginatis; posticae albæ, punctis marginalibus nigricantibus.

Male. Very pale ochraceous, silvery white beneath. Palpi obliquely ascending, rather broad, not rising higher than the vertex; third joint extremely short. Antennae stout, smooth. Abdomen extending rather beyond the hind wings; apical tuft small. Legs slender. Fore wings elongate, acute, rather narrow, with two undu-

Interg white lines, between which in the disk there is an elongated oblique pale brown white-bordered spot; marginal points blackish, white-bordered; exterior border hardly convex, rather oblique. Hind wings white; marginal points blackish. Length of the body  $3\frac{1}{2}$  lines; of the wings 9 lines.

a. China. Presented by G. T. Laye, Esq.

**Genus HYMENIA, C. L. H. xvii. 395.**

**HYMENIA MERIDIONALIS.**

**Fem.** Ochracea; palpi porrecti, articulo 2o piloso, 3o lanceolato; abdominis segmenta albo marginata, fimbria alba fusco guttata; antice e maculis albis subhyalinis fusco marginatis trifasciata; postice alba, subhyalina, gulta antemedia ochracea, fascia media postice attenuata fasciaque marginali guttis albas includente ochraceis fusco marginatis.

**Female.** Ochraceous, slender. Body beneath and legs silvery white. Palpi porrect, shorter than the breadth of the head; second joint pilose; third lanceolate, less than half the length of the second. Antennæ slender. Abdomen extending rather beyond the hind wings; hind borders of the segments white. Legs slender. Wings with a brown marginal line; fringe white, with brown dots. Fore wings acute, with three incomplete bands composed of white iridescent brown-bordered nearly hyaline spots; exterior border slightly convex, very oblique. Hind wings white, nearly hyaline, with an ochraceous brown-bordered band, which is attenuated hindward and is accompanied on the inner side by an ochraceous dot; a broad ochraceous brown-bordered marginal band containing along its inner side some white nearly hyaline dots. Length of the body 4 lines; of the wings 10 lines.

a. South Hindostan. Presented by M. J. Walhouse Esq.

**Genus ISOPTERYX, C. L. H. xvii. 398.**

**ISOPTERYX SIGNIFERALIS.**

*signiferalis*, Wligr. Wien. Ent. Mon. iv. 175.

Tahiti.

## ISOPTERYX? DIMINUTALIS.

*Subfusco-alba; palpi graciles, ascendentes, nigricante trifasciati, articula 3o lanceolata 2o vix breviore; alæ antica angustæ, subfalcatae, apice subrotundatae, lineis duabus albis undulatis nigricante marginatis, macula inter lineas nigricante, linea antemedia alba, linea marginali brevi punctisque tribus posticis nigra.*

White, slightly tinged with brown. Body beneath and legs silvery white. Proboscis slender. Palpi smooth, slender, with three blackish bands, slightly ascending, shorter than the breadth of the head; third joint lanceolate, nearly as long as the second. Maxillary palpi obtuse, a little more than half the length of the labial palpi. Antennæ stout, smooth. Legs smooth; tibiae with a blackish band; tarsi with two blackish bands. Fore wings narrow, subfalcate, slightly rounded at the tips, with two undulating white blackish-bordered lines; first line rather before the middle; second near the exterior border; a blackish spot in the disk between the lines; a less distinct white line near the base; a short black marginal line and three hinder black points. Length of the body 3 lines; of the wings 7 lines.

a. Limas, Honduras. Presented by H. T. Stainton, Esq.

## ISOPTERYX DISCOLORALIS.

*Mac. Albida; fasciculus frontalis productus; palpi breves, decumbentes, articulo 2o lato, 3o minimo; abdominis latera basi ochraceo fasciculata; tibiae posteriores late fimbriatae; alæ antica spicè rotundatae, lineis duabus albis parallelis fuscescente marginatis vix denticulatis, margine exteriore subrosso, fimbria rosea nigro interlineata.*

*Male.* Whitish. Frontal tuft prominent. Palpi decumbent, much shorter than the breadth of the head; second joint broad; third very minute. Abdomen not extending beyond the hind wings; a long tuft of ochraceous hairs on each side at its base. Legs moderately stout; posterior tibiae broadly fringed. Fore wings rounded at the tips, with a rosy tinge towards the exterior border; two white parallel pale brownish-bordered hardly denticulated not oblique lines; fringe rosy, shining, interlined with black; exterior border hardly convex, moderately oblique. Length of the body 2 lines; of the wings 6 lines.

a. Ega. From Mr. Bates' collection.

*ISOPTERYX? PARVALIS.*

*Mas.* *Alba*; *palpi porrecti, capitis latitudine breviores, articulo 3o lanceolato*; *antennæ breves, robustæ, setosæ; pedes breves, validi; alæ fimbria purpureo-chalybæa; antica lineis duabus nigricantibus, subangulosis, 1a antemedia, 2a submarginali duplicata, annulo subapicali oblongo lineaque marginali ochraceis, punctis marginalibus nigricantibus, litoris costalibus ochraceis.*

*Male.* White, stout. Palpi porrect, smooth, shorter than the breadth of the head; third joint lanceolate, shorter than the second. Antennæ short, stout, setose. Abdomen extending somewhat beyond the hind wings; apical tuft very small. Legs short, stout. Wings with a purplish chalybeous fringe. Fore wings acute, with two blackish slightly zigzag lines; first line antemedial; second submarginal, double, accompanied near the costa by an oblique oblong incomplete ochraceous ringlet; an ochraceous marginal line; marginal points blackish; costa with some small ochraceous marks. Length of the body 2 lines; of the wings 5 lines.

a. *Ega.* From Mr. Bates' collection.

*ISOPTERYX BILUNATALIS.*

*Mas.* *Alba, sat robusta; palpi porrecti, graciles, breves, supra fusci, articulo 3o minimo; antennæ valida, pubescentes, apices versus subconvolutæ, unispinoæ; thorax nigricans; abdomen nigro bifasciatum, apicem versus cinereum, alas posticas longe superans; alæ subiridescentes, margine lato purpurascente fusco plaga albida includente, fimbria albida nigricante punctata; antica apice rotundata, fascia basali, linea angulosa, annulo fusiformi, lunulis duabus guttisque duabus costalibus purpurascente-fuscis; postica gutta purpurascente-fusca.*

*Male.* White, rather stout. Palpi porrect, slender, brown above, very much shorter than the breadth of the head; third joint very minute. Antennæ stout, pubescent, with a spine near the tips, which are slightly convolute. Thorax blackish. Abdomen extending much beyond the hind wings, with a black band near the base, and with another beyond the middle, cinereous from the second band to the tip. Legs moderately stout; femora, tibiae and joints of the tarsi with black bands. Wings slightly iridescent, broadly bordered with

purplish brown, which hue contains some whitish patches; fringe white, with blackish points. Fore wings rounded at the tips, with an irregular band near the base, with a zigzag line, with a fusiform ringlet and with two transverse lunules purplish brown; two purplish brown costal dots, the first in front of the lunules. Hind wings with a purplish brown dot in the disk. Length of the body 4 lines; of the wings 10 lines.

a, ♂. Moreton Bay. From Mr. Diggles' collection.

#### ISOPTERYX SORDIDALIS.

**Fem.** *Cinereo-fusca; palpi lati, breves, oblique decumbentes, subtus albi, articulo 3o minimo; antennae basi dilatatae; alæ elongatae, lineis duabus nigricantibus albido submarginatis, lunulis marginalibus nigricantibus; antica maculis duabus albis, linea 2a valde flexa, margine exteriore subrecto.*

**Female.** Cinereous-brown. Body beneath and legs silvery white. Palpi broad, obliquely decumbent, white beneath, much shorter than the breadth of the head; third joint very minute. Antennæ slender, dilated at the base. Legs slender; fore legs pale cinereous-brown; trochanters, tips of the tibiae and tips of the joints of the tarsi white. Wings elongate, with two blackish zigzag lines, which are slightly whitish-bordered on the outer side; marginal lunules blackish; fringes interlined with blackish near the base. Fore wings acute, with two narrow transverse white spots between the lines, representing the orbicular and reniform marks; second line much bent outward in the middle; exterior border almost straight, moderately oblique. Length of the body 3½ lines; of the wings 7½ lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### ISOPTERYX NITIDALIS.

**Fem.** *Ochracea; palpi graciles, arcuati, albo bifasciati, oblique ascendentes, verticem non superantes, articulo 3o lanceolato; abdomen fuso bivittatum, albo univittatum; alæ antica subfalcata, fasciis tribus obliquis indeterminatis argenteo-albis, nigro interlineatis, striga exteriore alba arcuata lineam nigrum arcuatam includente, guttis submarginalibus argenteo-albis, linea submarginali nigro undulata; postica subochraceo-alba, lineis tribus cervinis angulosis, 2a 3aque nigro notatis, fascia marginali cervina nigricante marginata.*

**Female.** Ochraceous. Body beneath and legs silvery white. Palpi smooth, slender, curved, obliquely ascending, with two white bands, not rising so high as the vertex; third joint lanceolate, not more than half the length of the second. Maxillary palpi very short. Antennæ rather stout. Abdomen extending rather beyond the hind wings, with a white stripe and with two lateral brown stripes. Legs slender; tarsi with brown bands; fore femora and fore tibiæ brown. Fore wings acute, subfalcate, with three irregular oblique incomplete silvery white bands, which are irregularly interlined with black; third band much abbreviated towards the costa and having in front of it two white points; an exterior curved white streak, which joins the costa and includes a curved black line; a submarginal row of silvery white dots, which vary in size and are partly connected with each other and are bounded on the outer side by an undulating black line; fringe whitish, with four blackish intervals; exterior border moderately oblique. Hind wings white, slightly tinged with pale ochraceous; three fawn-coloured zigzag lines, of which the second and third are marked with black; a narrow fawn-coloured marginal band, which is blackish bordered on the inner side. Length of the body 3 lines; of the wings 7 lines.

a. Australia. From Mr. Damel's collection.

#### ISOPTERYX? CANESCENS.

**Mas.** *Cana*; *palpi graciles, subarcuati, oblique ascendentibus, verticem non superantes, articulo 3o linearibz 2i dimidio longiore; abdomen alas posticas dimidio superans; alæ anticae longæ, angustæ, acutæ, lineis tribus perobliquis indeterminatis e punctis nonnullis fuscis; posticae fusco conspersæ, fascia antemedia e lineis tribus nigricantibus, fasciis duabus exterioribus fuscis diffusis.*

**Male.** Hoary. Palpi slender, slightly curved, obliquely ascending, not rising higher than the vertex; third joint linear, more than half the length of the second. Abdomen extending for half its length beyond the hind wings; apical appendages rather large. Legs slender. Wings long, narrow. Fore wings acute, with a few brown points, which indicate three very oblique lines; of these the first and the third are very indeterminate. Hind wings brown-speckled, with a blackish oblique antemedial band composed of three lines and with two exterior oblique diffuse brown bands. Length of the body  $1\frac{1}{2}$  line; of the wings 4 lines.

a. Moreton Bay. From Mr. Diggles' collection.

## ISOPTERYX? FAVILLALIS.

**Mas.** *Pallide cinerea; palpi fusi, graciles, arcuati, verticem paullo superantes, articulo 2o subfimbriato, 3o linearis; antennae subserratae; alae longae, angustae, linea media nigricante duplicita subundulata perobliqua, spatio marginali fuscescente nebuloso, linea submarginali cinerea vix angulosa, punctis marginalibus nigris; anticæ linea basali nigricante indeterminata, punto subcostali nigro, costa albido punctata.*

**Male.** Pale cinereous. Body beneath and legs white. Palpi brown, slender, curved, obliquely ascending, rising a little higher than the vertex; second joint with a very short fringe beneath; third linear, pale cinereous at the tip, about half the length of the second. Antennæ very minutely serrated. Legs slender. Wings long, narrow, with a blackish double slightly undulating, very oblique middle line, which is most distinct in the hind wings; marginal space brownish-clouded, including a submarginal hardly zig-zag cinereous line; marginal points black. Fore wings acute, with a blackish incomplete very oblique line near the base; a black subcostal point at the middle of the length; costa with whitish points; exterior border slightly convex, extremely oblique. Length of the body 2 lines; of the wings 5 lines.

4. Moreton Bay. From Mr. Diggles' collection.

## Genus COPTOBASIS.

*Coptobasis*, *Ld. Wien. Ent. Mon.* vii. 429.

## COPTOBASIS OPISALIS.

*luminalis*, *Ld. Wien. Ent. Mon.* vii. 482, pl. 16, f. 10—*Desmia Opisalis*, *C. L. H.* xvii. 346.

5. Hindostan. Presented by the Secretary of the India Board.

## COPTOBASIS TEXTALIS.

*textalis*, *Ld. Wien. Ent. Mon.* vii. 482, pl. 16, f. 9.

Hindostan.

## COPTOBASIS SPRETALIS.

*spretalis*, *Ld. Wien. Ent. Mon.* vii. 482.

Amboina.

## Genus NAGIA.

*Form.* Corpus robustum. Proboscis mediocris. Palpi lutes, compressi, arcuati, latiusculi, oblique ascendentēs, verticem non superantes; articulus 3us brevissimus. Abdomen apice subcompressum, alas posticas paulo superans. Pedes lutes. Alas ample; antica apice rectangularis, costa recta, margine exteriore convexo subobliquo.

*Female.* Body stout. Proboscis of the usual length. Palpi smooth, compressed, curved, rather broad, obliquely ascending, not rising higher than the vertex; third joint extremely minute. Abdomen slightly compressed at the tip, extending a little beyond the hind wings. Legs smooth; first joint of spurs of the hind tibiae much longer than the second. Wings ample. Fore wings rectangular at the tips; costa straight; exterior border convex, slightly oblique.

Allied to *Dermia*, especially to some Borneo species included in that genus.

## NAGIA DESMIALIS.

*Form.* Fuscescens-cinerea, æneo subnitens, subtus alba; alæ plagiæ quatuor albis fusco marginatis.

*Female.* Brownish cinereous, with an æneous tinge. Body white beneath. Wings with a large white irregular discal spot, which is bordered with dark brown. Length of the body 7 lines; of the wings 16 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

## Genus LIPOCOSOMA.

Lipocosoma, *Ld. Wien. Ent. Mon.* vii. 448.

## LIPOCOSOMA SICALIS.

Leucinodes sicalis, *Cat. Lep. Het.* xix. 942—*Lipocosoma sicalis*, *Ld. Wien. Ent. Mon.* vii. pl. 17, f. 16.

## Genus CROCIDOLOMIA.

Crocidomia, *Zll. Lep. Caffr.* 65; *Ld. Wien. Ent. Mon.* vii. 358.

**CROCIDOLOMIA BINOTALIS.**

*binotalis*, *Zll. Lep. Caffr.* 65. *Ld. Wien. Ent. Mon.* vii. 358.  
Caffraria.

**Genus ETHNISTIS.**

*Ethnistis*, *Ld. Wien. Ent. Mon.* vii. 345.

**ETHNISTIS MUNITALIS.**

*munitalis*, *Ld. Wien. Ent. Mon.* vii. pl. 6, f. 13.  
Venezuela.

**Genus SYNCLITA.**

*Synclita*, *Ld. Wien. Ent. Mon.* vii. 448.

**SYNCLITA GURGITALIS.**

*gurgitalis*, *Ld. Wien. Ent. Mon.* vii. 483, pl. 17, f. 17—*modestalis*,  
*Ld.* pl. 18, f. 1.  
Venezuela. Surinam.

**Genus ZINCKENIA.**

*Zinckenia*, *Zll. Lep. Caffr.* 55.

**ZINCKENIA RECURVALIS.**

*Hymenia recurvalis*, *C. L. H.* xvii. 396.

**ZINCKENIA PRIMORDIALIS.**

*primordialis*, *Zll. Lep. Caffr.* 56.  
Caffraria.

**Genus AETHOLIX.**

*Aetholix*, *Ld. Wien. Ent. Mon.* vii. 437.

**AETHOLIX FLAVIBASALIS.**

*Aediodes flavibasalis*, *C. L. H.* xvii. 347.

**Genus HEDYLEPTA.**

*Hedylepta*, *Ld. Wien. Ent. Mon.* vii. 409, pl. 5, f. 22.

**HEDYLEPTA VULGALIS.****Asopia vulgalis, C. L. H. xvii. 364.****HEDYLEPTA DIEMENALIS.****Asopia diemenalis, C. L. H. xvii. 373.****Genus ANARMODIA.****Anarmodia, Ld. Wien. Ent. Mon. vii. 412.****ANARMODIA LONGINQUALIS.****longinqualis, Ld. Wien. Ent. Mon. vii. pl. 15, f. 5.****Venezuela. Brazil.****Genus ANÆGLIS.****Anæglis, Ld. Wien. Ent. Mon. vii. 345, pl. 2, f. 5; pl. 4, f. 5.****ANÆGLIS DEMISSALIS.****dmissalis, Ld. Wien. Ent. Mon. vii. 346, pl. 7, f. 1.****Brazil.****Genus RHECTOSOMIA.****Rhectosomia, Ld. Wien. Ent. Mon. vii. 414.****RHECTOSOMIA MULTIFARIALIS.****multifarialis, Ld. Wien. Ent. Mon. vii. pl. 15, f. 7.****Venezuela.****Genus ÆTHALOESSA.****Aethaloessa, Ld. Wien. Ent. Mon. vii. 435.****ÆTHALOESSA FLORIDALIS.****Stenia floridalis, Zll. Lep. Caffr. 60—Æthaloessa floridalis, Ld. Wien. Ent. Mon. vii. pl. 17, f. 2—Syngamia Merionealis? C. L. H. xvii. 334.****Caffraria.**

**AETHALOESSA ? FERVIDALIS.**

*tenia fervidalis, Zll. Lep. Caffr. 59—Aethaloessa ? fervidalis, Ld. Wien. Ent. Mon. vii. pl. 17, f. 3.*

*affaria.*

**AETHALOESSA LIQUIDALIS.**

*tenia liquidalis, Zll. Lep. Caffr. 61.*

*affaria.*

**AETHALOESSA SIGNATALIS.**

*tenia signatalis, Zll. Lep. Caffr. 62.*

*affaria.*

**Genus CHNAURA.**

*Chnaura, Ld. Wien. Ent. Mon. vii. 435, pl. 5, f. 16.*

**CHNAURA OCTAVIALIS.**

*yugamia Octavialis, Cat. Lep. Het. xvii. 334.*

**Genus DIATHRAUSTA.**

*Diathrausta, Ld. Wien. Ent. Mon. vii. 438, pl. 2, f. 24.*

**DIATHRAUSTA PROFUNDALIS.**

*profundalis, Ld. Wien. Ent. Mon. vii. pl. 17, f. 7.*

*imboina.*

**Genus CINDAPHIA.**

*Cindaphia, Ld. Wien. Ent. Mon. vii. 438.*

**CINDAPHIA JUCUNDALIS.**

*jucundalis, Ld. Wien. Ent. Mon. vii. pl. 17, f. 8—Asopia bicoloralis ? C. L. H. xvii. 364.*

*brazil.*

**Genus HEMIMATIA.**

*Hemimatis, Ld. Wien. Ent. Mon. vii. 347, pl. 4, f. 7.*

**HEMIMATIA SCORTEALIS.**

*scortealis*, *Ld. Wien. Ent. Mon.* vii. 347, pl. 7, f. 12.  
North America.

**HEMIMATIA ATRAMENTALIS.**

*atramentalis*, *Ld. Wien. Ent. Mon.* vii. 347, pl. 7, f. 14.  
Venezuela.

**HEMIMATIA RIGUALIS.**

*rigualis*, *Ld. Wien. Ent. Mon.* vii. 347, pl. 7, f. 13.  
Venezuela.

**Genus RHISINA.**

*Mas.* Corpus gracile. Proboscis brevis. Palpi lœves, gracieles, ascendentes, verticem non superantes; articulus 3us minimus. Antennæ graciles, setulosæ. Thoracis tegulæ longissimæ. Abdomen alas posticas superans; fasciculus apicalis sat parvus. Pedes longi, graciles, lœves; coxæ anticæ longissimæ; calcaria longa, gracilia. Alæ anticæ latæ, apice subrotundatae, margine exterior obliquo vix convexo.

*Male.* Body slender. Proboscis short. Palpi smooth, slender, ascending, not rising so high as the vertex; third joint very minute. Antennæ slender, minutely setulose. Tegulae of the thorax very long, extending over the basal part of the abdomen. Abdomen extending somewhat beyond the hind wings; apical tuft rather small. Legs long, slender, smooth; fore legs with very long coxae; spurs long, slender. Wings broad. Fore wings slightly rounded at the tips; exterior border hardly convex, moderately oblique.

Allied to *Isopteryx*.

**RHISINA PUNCTICOSTALIS.**

*Mas.* Cinerea; thorax fusco conspersus; alæ fascia basali nigri-cante-cinerea, lunulis marginalibus nigricantibus albido marginatis; anticæ linea undulata lineaque submarginali angulosa albis, puncto subcostali nigro, costa albo punctata; postice lineis tribus albis, 1a 2aque subrectis, 3a undulata.

*Male.* Cinereous. Body beneath and legs silvery cinereous. Thorax brown-speckled. Wings with a blackish cinereous band near the base and with blackish marginal lunules, which are whitish-

bordered on the outer side. Fore wings with a white undulating line, which borders the band, and with a zigzag white submarginal line; a black subcostal point between the lines; costa with numerous white points. Hind wings with three white lines; first and second nearly straight; third undulating. Length of the body  $3\frac{1}{2}$  lines; of the wings 7 lines.

a. Moreton Bay. From Mr. Diggles' collection.

Fam. STENIADÆ, *C. L. H.* xvii. 406.

Genus DIASEMIA, *C. L. H.* xvii. 407.

DIASEMIA BRACTEOLALIS.

*Botys bracteolalis*, *Zll. Lep. Caffr.* 30.

Caffraria.

DIASEMIA DISJECTALIS.

*Pyralis disjectalis*, *Zll. Lep. Caffr.* 16—*Diasemia disjectalis*, *Ld. Wien. Ent. Mon.* vii. pl. 15, f. 9.

Caffraria.

DIASEMIA TRICOLORALIS.

*Botys tricoloralis*, *Zll. Lep. Caffr.* 31.

Caffraria.

DIASEMIA RECONDITALIS.

*Obscure fusca*; abdomen argenteo-album; pedes gracillimi; alæ elongatæ, albido conspersæ, fasciis duabus obliquis albis, fimbria alba fusco guttata; anticæ subacute, macula inter fascias subcostali alba; posticæ margine exteriore antico subexcavato.

Dark-brown. Body beneath, abdomen and legs silvery white. Legs long, very slender. Wings elongate, transversely and minutely whitish-streaked; two oblique white bands, of which the second is broader and more irregular than the first and is accompanied by some white streaks; fringe white, with elongated brown dots. Fore wings slightly acute, with a white subcostal spot between the bands; exterior border slightly convex, very oblique. Hind wings with the fore part of the exterior border slightly excavated. Length of the body 3 lines; of the wings 8 lines.

a. Sydney. From Mr. Lambert's collection.

## DIASEMIA LEUCOPHÆALIS.

**Mas.** *Nigricans; palpi pilosi, subdecumbentes, articulo 3o elongato lanceolato; antennæ graciles, pubescentes; abdominis segmenta albo marginata; pedes gracillimi; alæ cinereo conspersæ, fasciis duabus albis angulosis obliquis, 2a informi interlineata, punctis marginalibus nigricantibus, fimbria albida nigricante interlineata.*

**Male.** Blackish, slender. Body beneath and legs silvery cinereous. Palpi pilose, slightly decumbent, white beneath, much shorter than the breadth of the head; third joint lanceolate, nearly as long as the second. Antennæ slender, pubescent. Pectus white. Abdomen with a silvery white band on the hind border of each segment, extending for half its length beyond the hind wings; apical tuft compressed, very small. Legs very slender. Wings long, cinereous-speckled, with two oblique zigzag white bands; first band antemedial, second postmedial, interlined, very irregular; marginal points blackish; fringe whitish, interlined with blackish. Fore wings slightly acute; exterior border nearly straight, very oblique. Length of the body 4 lines; of the wings 10 lines.

a. Moreton Bay. From Mr. Diggles' collection.

## DIASEMIA RESPONSALIS.

**Fœm.** *Ferruginea; palpi porrecti, graciles, breves, articulo 3o lanceolato 2i dimidio non breviore; alæ longæ, strigis nigris longitudinalibus, lineis quatuor argenteis angulosis obliquis, 2a 3aque approximatis, 4a submarginali, fimbria cinerea; antica apice rotundatae.*

**Female.** Ferruginous, slender. Body beneath and legs silvery cinereous. Proboscis obsolete. Palpi porrect, smooth, slender, much shorter than the breadth of the head; third joint lanceolate, full half the length of the second. Antennæ slender. Abdomen tapering towards the tip, extending much beyond the hind wings. Legs slender. Wings long, with longitudinal blackish streaks, and with four oblique zigzag silvery lines; first line near the base; second and third near together, very irregular; fourth submarginal; fringe cinereous. Fore wings rounded at the tips; exterior border slightly convex, very oblique; second inferior vein as near to the third as to the first at the base. Length of the body 3 lines; of the wings 9 lines.

a. Moreton Bay. From Mr. Diggles' collection.

## DIASEMIA COMPLETALIS.

**Fœm.** *M*æno-fusca; palpi oblique ascendentis, subtus albo fimbriati, articulo 3o parvo; abdominis segmenta albo marginata; alas fasciis tribus indeterminatis e maculis guttisque albis semihyalinis, fimbria albo guttata; antica vix falcatæ.

**Female.** Mænous-brown, slender. Palpi obliquely ascending, white and fringed beneath, not rising higher than the vertex; third joint minute. Antennæ slender. Abdomen extending much beyond the hind wings; hind borders of the segments silvery white. Legs slender, silvery white. Wings with three very irregular bands composed of white semihyaline spots and dots of various size and shape; fringe with white dots. Fore wings acute, hardly falcate; exterior border slightly oblique, its hind part rounded. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

a. Swan River. From Mr. Diggles' collection.

Genus LINEODES, *C. L. H.* xvii. 409.

## LINEODES SERPULALIS.

*serpulalis*, *Ld. Wien. Ent. Mon.* vii. 480, pl. 15, f. 8.

Brazil.

Genus STENIA, *C. L. H.* xvii. 413.STENIA BRUGUERALIS, *C. L. H.* xvii. 414.

a. Livorno. From Dr. H.-Schæffer's collection.

STENIA OPHIALIS, *C. L. H.* xvii. 415.

a. Hungary. From Dr. H.-Schæffer's collection.

Genus METASIA, *C. L. H.* xvii. 422.

## METASIA OCTOGENALIS.

*octogenalis*, *Ld. Wien. Ent. Mon.* vii. 481, pl. 15, f. 10.

Syria.

## Genus OMMATOSPILA.

*Ommatospila*, *Ld. Wien. Ent. Mon.* vii. 445.

**OMMATOSPILA ORNATALIS.**

*Stenia ornatalis*, *C. L. H.* xvii. 416.

**Genus SIRIOCAUTA.**

*Siriocauta*, *Ld. Wien. Ent. Mon.* vii. 424.

**SIRIOCAUTA TESTULALIS.**

*Stenia testulalis*, *C. L. H.* xvii. 420.

**Genus AMAUROPHANES.**

*Amaurophanes*, *Ld. Wien. Ent. Mon.* vii. 422.

**AMAUROPHANES STIGMOSALIS.**

*Stenia stigmosalis*, *C. L. H.* xvii. 416.

**Genus BLEPHAROMASTRIX.**

*Blepharomastrix*, *Ld. Wien. Ent. Mon.* vii. 422.

**BLEPHAROMASTRIX RANALIS.**

*Stenia ranalis*, *C. L. H.* xvii. 417.

**BLEPHAROMASTRIX SAURIALIS.**

*Stenia saurialis*, *C. L. H.* xvii. 417.

**BLEPHAROMASTRIX COLUBRALIS.**

*Stenia colubralis*, *C. L. H.* xvii. 418.

**BLEPHAROMASTRIX BATRACHALIS.**

*Stenia batrachalis*, *C. L. H.* xvii. 418.

**BLEPHABOMASTRIX SAPONALIS.**

**Stenia saponalis, C. L. H. xvii. 418.**

**BLEPHAROMASTRIX LACERTALIS.**

**Stenia lacertalis, C. L. H. xvii. 418.**

**BLEPHAROMASTRIX VILIALIS.**

**Stenia vilialis, C. L. H. xvii. 419.**

**Genus STEGOTHYRIS.**

**Stegothyris, Ld. Wien. Ent. Mon. vii. 427, pl. 2, f. 22.**

**STEGOTHYRIS FASCIOLALIS.**

**Stenia fasciculalis, Zll. Lep. Caffr. 63—Stegothyris fasciculalis, Ld. Wien. Ent. Mon. vii. pl. 16, f. 4.**

**STEGOTHYRIS TRANSVERSALIS.**

**transversalis, Ld. Wien. Ent. Mon. vii. 482, pl. 16, f. 5.**

**Venezuela.**

**Genus HYMENOPTYCHIS.**

**Hymenoptychis, Zll. Lep. Caffr. 64. Ld. Wien. Ent. Mon. vii. 425, pl. 2, f. 20.**

**HYMENOPTYCHIS SORDIDA.**

**sordida, Zll. Lep. Caffr. 65. Ld. Wien. Ent. Mon. vii. pl. 16, f. 2.**

**Natal.**

**Genus ULOPEZA.**

**Ulopeza, Zll. Lep. Caffr. 57.**

**ULOPEZA CONIGERALIS.**

*conigeralis*, *Zll. Lep. Caffr.* 58. *Ld. Wien. Ent. Mon.* vii. 408,  
pl. 14, f. 13.

Cafiraria.

**Genus CROCIDOPHORA.**

*Crocidophora*, *Ld. Wien. Ent. Mon.* vii. 386.

**CROCIDOPHORA TUBERCULALIS.**

*tuberculalis*, *Ld. Wien. Ent. Mon.* vii. 476, pl. 12, f. 9.

Tenessee.

**CROCIDOPHORA PUSTULIFERALIS.**

*pustuliferalis*, *Ld. Wien. Ent. Mon.* vii. 477, pl. 12, f. 11.

North America.

**Genus CALAMOCHROUS.**

*Calamochrous*, *Ld. Wien. Ent. Mon.* vii. 386.

**CALAMOCHROUS CHILONELLUS.**

*Chilonellus*, *Ld. Wien. Ent. Mon.* vii. 477, pl. 12, f. 10.

Venezuela.

**Genus CYBALOMIA.**

*Cybalomia*, *Ld. Wien. Ent. Mon.* vii. 420.

**CYBALOMIA PENTADALIS.**

*Botys pentadalidis*, *Ld. Zool. Bot. Ver.* 1855, 219, pl. 3, f. 13.

Syria.

**Genus ISCHNURGES.**

*Ischnurges*, *Ld. Wien. Ent. Mon.* vii. 418, pl. 3, f. 14.

**ISCHNURGES ILLUSTRALIS.**

*illustralis*, *Ld. Wien. Ent. Mon.* vii. pl. 15, f. 12.

New Zealand.

## Genus PHYSEMATIA:

*Physematia*, *Ld. Wien. Ent. Mon.* vii. 447, pl. 2, f. 27.

## PHYSEMATIA CONCORDALIS.

*concordalis*, *Ld. Wien. Ent. Mon.* vii. pl. 17, f. 14..

Nicobar.

## Genus DICHOCROCIS.

*Dichocrocis*, *Ld. Wien. Ent. Mon.* vii. 447, pl. 5, f. 42.

## DICHOCROCIS FRENATALIS.

*frenatalis*, *Ld. Wien. Ent. Mon.* vii. pl. 17, f. 15.

Nicobar.

Fam. HYDROCAMPIDÆ, *C. L. H.* xvii. 426.Genus OLIGOSTIGMA, *C. L. H.* xvii. 429.

## OLIGOSTIGMA AMENALIS.

*amenalis*, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 123.

Brazil.

## OLIGOSTIGMA EXHIBITALIS.

*exhibitialis*, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 123.

Amazon Region.

## OLIGOSTIGMA CURVIFERALIS.

Mas et fem. *Alba*; *palpi graciles, oblique ascendentes, articulo 2o basi nigricante, 3o lanceolato; thorax guttis duabus lateralibus fuscis; abdominis segmenta fusco fasciata; alæ fascia marginali ochracea nigro marginata; antice apice rotundatae, striga basali subcostali strigaque parva exteriore fuscis, lineis duabus ochraceis fusco marginatis, 1a undulata strigam fuscam obliquam emittente, 2a submarginali; postica lineis duabus fuscis subarcuatis, 2o ochraceo interlineata*. Mas.—*Antennæ robustæ, pubescentes; abdomen alas posticas longe superans.*

• *Male and female. White. Palpi slender, obliquely ascending, not rising higher than the vertex; second joint blackish towards the*

base; third lanceolate, rather shorter than the second. Thorax with a brown dot on each side. Abdomen with a brown band on the fore border of each segment. Legs very slender. Wings elongate, with an ochraceous black-bordered marginal band. Fore wings rounded at the tips, with a short brown subcostal streak proceeding from the base; two ochraceous brown-bordered lines; first line undulating, proceeding from the base of the interior border, emitting an oblique brown streak towards the costa, ending on the costa at a little beyond two-thirds of the length; second submarginal, nearly parallel to the exterior border; a little transverse brown streak in the disk. Hind wings with two slightly curved brown lines, which are nearly parallel to the exterior border, the second interlined with ochraceous. *Male*.—Antennæ stout, pubescent. Abdomen extending much beyond the hind wings. *Female*.—Antennæ very slender. Abdomen extending a little beyond the hind wings. Length of the body  $3\frac{1}{2}$ —4 lines; of the wings 9—10 lines.

*a, b.* North America. From Mr. Carter's collection.

#### OLIGOSTIGMA PLICATALIS.

*Mas.* *Cervina*; *palpi erecti, verticem non superantes, articulo 3o lanceolato*; *alæ latiusculæ, subargenteæ, fasciis duabus ochraceis nigro marginatis, 2a marginali; antice vitta postica fascia obliqua ochraceis, fascia submarginali argentea, plica discali fimbriata, costa convexa; postice fascia marginali puncta tria nigra argenteo notata includente, fascia basali ochracea nigricante marginata, margine exteriore apicem versus inciso.*

*Male.* Fawn-colour. Body beneath and legs silvery cinereous. Palpi erect, squamous, not rising so high as the vertex; third joint lanceolate, shorter than the second. Antennæ stout, minutely pubescent. Legs long, slender. Wings elongate, rather broad, slightly silvery, with two ochraceous black-bordered bands; the first near the exterior border, the second marginal. Fore wings acute, with an ochraceous stripe along the interior border, and with an oblique ochraceous band, which is connected near the interior angle with the exterior band before mentioned; the latter is divided by a silvery band from the marginal band; an elongated densely fringed slightly tumid lappet in the disk; costa and exterior border convex, the latter moderately oblique. Hind wings with the two bands connected towards the tip; marginal band containing three black silvery-marked points; a basal ochraceous blackish-bordered band;

*Hydrocanthaceae*

exterior border notched near the tip; interior border with a long fringe. Length of the body 5 lines; of the wings 12 lines.

Nearly allied to *O. crassicornalis*.

Makian, Celebes. In Mr. Saunders' collection.

Genus CATACLYSTA, *C. L. H.* xvii. 435.

CATACLYSTA ANGULATALIS.

angulatalis, *Kaden, Ld. Wien. Ent. Mon.* vii. 486.

North America.

CATACLYSTA OPULENTALIS.

opulentalis, *Ld. Wien. Ent. Mon.* vii. 486, pl. 18, f. 7.

North America.

CATACLYSTA MONILIGERALIS.

moniligeralis, *Ld. Wien. Ent. Mon.* vii. 487, pl. 18, f. 10.

North America.

CATACLYSTA GEMMIFERALIS.

gemmiferalis, *Ld. Wien. Ent. Mon.* vii. 487, pl. 18, f. 8.

Venezuela.

CATACLYSTA INSULALIS.

insulalis, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 123.

Haiti.

CATACLYSTA PRINCIPALIS.

Fœm. *Ferrugineo-rufa*; oculi albo cincti; palpi graciles, porrecti, pilosi, articulo 3o linearē obtuso; antennæ robustæ, crenulatæ; thoracis tegulæ albo marginatæ; alæ cinereæ, late, nigro conspersæ, linea marginali aurata; anticæ apice rotundatæ, plagiis tribus ferrugineo-rufis albo marginatis, 1a basali, 2a postica, 3a apicali, lunula alba maculaque æneo-cinerea connexis; posticæ punctis marginalibus atris.

Female. Ferruginous-red. Head white about the eyes. Palpi slender, porrect, pilose beneath, as long as the breadth of the head; third joint linear, obtuse at the tip, shorter than the second. Maxillary palpi less than half the length of the labial palpi. Antennæ stout, crenulate. Tegulæ of the thorax bordered with white. Pectus and legs white. Abdomen extending a little beyond the hind wings.

Wings broad, cinereous, minutely black-speckled. Fore wing rounded at the tips, with three ferruginous-red patches; first patch basal, very large, bordered on the outer side by an undulating white line; second and third bordered on the inner side by a deeply angular white line; second on the outer part of the interior border; third apical, bordered on the outer side by a white line; a white lunule in the disk, bordering the inner side of an æneous-cinereous spot, which is connected with the angular line; marginal line brightly gilded. Hind wings with a brightly gilded marginal line, which is accompanied by deep black points. Length of the body 4 lines; of the wings 10 lines.

- a. North America. From Mr. Carter's collection.
- b. Jamaica. From M. Gossse's collection.

#### CATACLYSTA CONFUSALIS.

*Mas et fœm. Argenteo-alba, gracilis; palpi graciles, oblique ascendentes, verticem non superantes, articulo 2o fimbriato, 3o lanceolato; thoracis latera antica fusca; abdominis segmenta fusco fasciata; alæ fascia antemedia excavata lineaque extiore fuscis; anticæ spatio costali postmedia et apud marginem exteriorem fusca, ochraceo varia, lineis duabus postmedialis fuscis, lineis duabus submarginalibus albis; posticæ nigricans conspersæ, guttis sex marginalibus atris ochraceo submarginali purpureo punctatis.*

*Male and female.* Silvery white, slender. Palpi slender, obliquely ascending, not rising higher than the vertex; second joint fringed beneath; third lanceolate, nearly as long as the second. Antennæ of the male pubescent. Thorax brown on each side in front. Abdomen extending a little beyond the hind wings, with a brown band on the fore border of each segment. Wings with a brown oblique excavated antemedial band; a brown line near and almost parallel to the outer side of the band. Fore wings acute, brown and partly ochraceous about the outer half of the costa and along the exterior border; two irregular brown lines beyond the line before mentioned; two white lines converging from the costa towards the interior angle. Hind wings minutely blackish-speckled beyond the middle; six deep black partly ochraceous-bordered marginal dots, each containing a brilliant purple point. Length of the body 3 lines; of the wings 8 lines.

- a, b. North America. From Mr. Carter's collection.

## CATACLYSTA GRATALIS.

**Fœm.** *Argenteo-albu ; palpi graciles, arcuati, oblique ascendentibus, articulo 3o lanceolato ; pedes gracillimi, tibiis tarsisque antice fusco fasciatis ; alæ antice fusco conspersæ, strigis duabus basaliibus, fascia obliqua, strigis duabus longitudinalibus strigisque duabus transversis pallide ochraceis, spatio inter strigas transversas strigaque postica longitudinali argenteis micantibus ; posticæ fasciis duabus pallide ochraceis argenteo marginatis, strigulis exterioribus longitudinalibus ochraceis, guttis quatuor marginalibus atris purpureo micante notatis.*

**Female.** Silvery white. Palpi smooth, slender, curved, obliquely ascending, not rising higher than the vertex; third joint lanceolate, much shorter than the second. Legs smooth, very slender; fore tibiæ and fore tarsi with brown bands. Fore wings with minute brown speckles, which are most prevalent along the apical half of the interior border; two pale ochraceous streaks proceeding from the base; one along the costa, the other along the interior border; an exterior oblique pale ochraceous band, beyond which there are two longitudinal pale ochraceous streaks and two more exterior transverse pale ochraceous streaks, of which the second is apical; hind part of the space between these two streaks and a longitudinal streak near the interior angle bright silvery. Hind wings with two pale ochraceous bands, which are bordered on the outer side by two bright silvery lines; exterior part with several little longitudinal ochraceous streaks; four deep black marginal dots, marked with glittering purple. Length of the body 3? lines; of the wings 8 lines.

a. St. Domingo. From Mr. Tweedie's collection.

## CATACLYSTA EGRESSALIS.

**Fœm.** *Sordide ochracea, robusta ; palpi porrecti, capitum latitudine rix breviores, articulo 3o lanceolato ; abdomen argenteo-album ; alæ antice lineis duabus arcuatis albis, fascia intermedia lata cinerea ; posticæ pallide cinereæ, linea cuprea marginali abbreviata micante.*

**Female.** Dull ochraceous, stout. Body beneath, abdomen and legs silvery white. Palpi stout, porrect, nearly as long as the breadth of the head; third joint lanceolate, much shorter and more slender than the second. Abdomen extending rather beyond the hind wings.

Legs smooth, slender. Fore wings slightly rounded at the tips, with a broad cinereous middle band, and with two white lines; first line antemedial, curved outward, joining the interior border very near the base of the latter; second at three-fourths of the length, much bent outward; exterior border convex, moderately oblique. Hind wing pale cinereous, with a brilliant cupreous line along the middle part of the exterior border. Length of the body 4 lines; of the wings 9 lines.

a. Jamaica. From Mr. Gosse's collection.

#### CATACLYSTA DIVULSALIS.

Mas. *Argentea*; palpi graciles, oblique ascendentes, articulo 3o lanceolato 2o non breviore; antennæ rix nodosæ; pedes gracillimi; ale perangustæ; anticæ macula basali, fascia obliqua interrupta, macula magna subapicali fusco marginata fimbriata ochraceis, spatio medio albido nigro consperso; postica albidæ, lineis tribus nigris obliquis dentatis, vitta apud marginem interiore argentea, fascia marginali atra guttas quatuor virides micantes guttasque tres ochraceas includente.

Male. Silvery. Palpi smooth, slender, obliquely ascending; third joint lanceolate, as long as the second. Antennæ slender, hardly nodose. Abdomen extending for more than half its length beyond the hind wings; apical tuft small, compressed. Legs smooth, very slender. Wings very narrow. Fore wings acute, with an ochraceous spot very near the base, and with an oblique dull ochraceous band, which is interrupted in the middle and extends from the costa to the interior angle; middle part of the wings whitish, minutely speckled and streaked with black; a large ochraceous subapical spot, bordered with brown on the outer side; fringe ochraceous. Hind wings whitish, with three oblique dentate black lines; a silvery stripe along the interior border; exterior border deep black, with three ochraceous and with four brilliant metallic-green dots. Length of the body 2½ lines; of the wings 6 lines.

a. Ega. From Mr. Bates' collection.

#### CATACLYSTA DIVISALIS.

Fœm. *Argenteo-alba*; palpi gracillimi, oblique ascendentes, basi nigricantes, articulo 3o lanceolato; antennæ gracillimæ; ale anticæ fasciis sex pallide ochraceis apud costam fusco suffusi

*3a 4aque apud costam connexis, 3a postice furcata, 4a 5a 6aque postice connexis; posticæ fasciis duabus pallide ochraceis, plaga marginali atra puncta aurata micantia includente.*

**Female.** Silvery white. Palpi smooth, very slender, blackish above towards the base, obliquely ascending, shorter than the breadth of the head ; third joint lanceolate, much shorter than the second. Antennæ very slender. Fore wings with six pale ochraceous bands, which are tinged with brown near the costa ; first band basal ; second near the base ; third antemedial, forked towards the interior border, connected on the costa with the fourth ; fourth, fifth and sixth connected near the interior angle. Hind wings with two pale ochraceous bands and with an elongate deep black patch, which occupies the exterior border and contains some brilliant gilded points. Length of the body 2 lines ; of the wings 5 lines.

**a. Para.** From Mr. Bates' collection.

#### CATACLYSTA DOMINALIS.

**Mas.** *Pallide ochracea; palpi erecti, articulo 2o late fimbriato, 3o conico; antennæ robustæ, cornubus duobus basalibus parvis; abdomen albidum, lateribus subfasciculatis; alæ argenteo-albae; anticæ apice rotundatæ, vittis duabus fasciisque tribus pallide ochraceis, fasciis 1a 2aque postice connexis, 3a marginali nigro marginata, plica subcostali fimbriata pallide cervina; posticæ fascia media lata obliqua fasciaque marginali angusta guttas quatuor atras argenteo signatas includente pallide ochraceis.*

**Male.** Pale ochraceous. Body beneath and legs white. Eyes white-bordered. Palpi erect, not rising so high as the vertex ; second joint broadly fringed ; third conical, minute. Antennæ stout, with a clavate appendage at the base. Abdomen whitish, with small tufts along each side, extending much beyond the hind wings ; apical tuft elongate, slightly compressed. Legs long, slender ; tips of the fore tibiae and of the joints of the fore tarsi blackish. Wings silvery white, elongate. Fore wings rounded at the tips ; a pale ochraceous costal stripe and another near the interior border ; a fringed pale fawn-coloured subcostal lappet ; two pale ochraceous bands, which are united near the interior angle ; a pale ochraceous marginal black-bordered band ; exterior border convex, rather oblique. Hind wings with a broad oblique pale ochraceous band in the disk, and with a narrow pale ochraceous band, the latter including

four deep black dots, each of which contains a silvery point. Length of the body  $5\frac{1}{2}$  lines; of the wings 12 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

#### CATACLYSTA DOMINULALIS.

*Argenteo-alba; ale fascia marginali flava nigricante marginata, striga subcostali obliqua nigricante, vitta media nigricante submarginata vittaque postica flavis, fascia marginali punctis lineaque nigris marginata; postica vitta informi flava nigra submarginata, fascia marginali punctis nigris marginata, linea marginali aurata.*

Silvery white, slender. Wings elongate, rather narrow, with a yellow marginal band. Fore wings acute, with a yellow costal stripe, which is blackish-bordered on both sides; a short oblique blackish streak connects this stripe with a yellow curved discal stripe, the latter blackish-bordered along the outer part of its hind side; a yellow stripe near the interior border; marginal band bordered by a slender black line on its inner side and by black points on its outer side. Hind wings with an irregular stripe, which extends from a little beyond the middle of the interior border to the fore part of the exterior border, and is accompanied along half its length by a black line; marginal band bordered on both sides by irregular black points, and on the outer side by a gilded line. Length of the body  $2\frac{1}{2}$  lines; of the wings 7 lines.

New Guinea. In Mr. Saunders' collection.

#### CATACLYSTA OCHRACEALIS.

*Mas. Ochracea; palpi porrecti, lati, fimbriati, apice nigricantes, capitis latitudine paullo longiores, articulo 3o parvo; ale albido-cinereæ; anticæ nigricante conspersæ, lineis duabus nigricantibus flexis, fascia intermedia ochracea strigam nigram includente, plaga apicali ochracea lineas duas albas includente, linea marginali purpurea, fascia marginali atra lineolas sex ochraceas includente.*

*Male.* Ochraceous, cinereous beneath. Palpi porrect, broad, fringed, blackish towards the tips, a little longer than the breadth of the head; third joint minute. Antennæ and legs smooth. Abdomen extending a little beyond the hind wings. Wings whitish cinereous. Fore wings thickly blackish-speckled; two blackish

lines; first antemedial; second postmedial, much more bent outward than the first; an intermediate ochraceous band containing a black streak; an ochraceous apical patch containing two oblique white lines; a brilliant purple marginal line, accompanied along its hind part by a broad deep black line, which contains six little longitudinal ochraceous lines. Length of the body  $2\frac{1}{2}$  lines; of the wings 6 lines.

*a, b.* Sydney. From Mr. Diggles' collection.

Genus PARAPONYX, *C. L. H.* xvii. 452.

PARAPONYX ILIALIS.

*Paraponyx Ilialis*, *Ld. Wien. Ent. Mon.* vii. 485, pl. 18, f. 4—*Cataclysta Ilialis*, *C. L. H.* xvii. 441.

PARAPONYX CRETACEALIS.

*cretacealis*, *Ld. Wien. Ent. Mon.* vii. 484.

North America.

PARAPONYX APTALIS.

*aptalis*, *Ld. Wien. Ent. Mon.* vii. 485.

North America.

PARAPONYX FRAGMENTALIS.

*fragmentalis*, *Ld. Wien. Ent. Mon.* vii. 485, pl. 18, f. 6.

Venezuela.

PARAPONYX GANGETICALIS.

*gangeticalis*, *Ld. Wien. Ent. Mon.* vii. 485, pl. 18, f. 5.

Hindostan.

Genus CYMORIZA, *C. L. H.* xvii. 455.

CYMORIZA LORICATALIS.

*loricatalis*, *Ld. Wien. Ent. Mon.* vii. 486.

Amboina.

Genus HYDROCAMPA, *C. L. H.* xvii. 456.

HYDROCAMPA RIVULALIS, *C. L. H.* xvii. 457.

*a.* Livorno. From Dr. H.-Schäffer's collection.

**HYDROCAMPA GENUALIS.**

*genuine*, *Ld. Wien. Ent. Mon.* vii. 483, pl. 18, f. 2.  
North America. Venezuela.

**HYDROCAMPA TORTALIS.**

*tortalis*, *Ld. Wien. Ent. Mon.* vii. 484, pl. 18, f. 3.  
Venezuela.

**HYDROCAMPA MIXTALIS.**

*mixtalis*, *Ld. Wien. Ent. Mon.* vii. 484.  
Buenos Ayres.

**HYDROCAMPA SOLITALIS.**

*solitalis*, *Ld. Wien. Ent. Mon.* vii. 483.  
Java. Amboina.

**HYDROCAMPA PTEROPHORALIS.**

Fœm. *Sordide ochracea, gracillima; palpi oblique ascendentes; antennæ gracillimæ; alæ perangustaæ; anticae argenteo-cinereæ strigataæ, fusco subconspersæ, lineis tribus nigris, 1a acute angulata, 2a 3aque undulatis postice connexis et abbreviatæ, punctis marginalibus nigris; posticæ pallide cinereæ.*

*Female.* Dull ochraceous, very slender, cinereous beneath. Palpi squamous, obliquely ascending, shorter than the breadth of the head; third joint much shorter than the second. Antennæ very slender. Abdomen extending for more than half its length beyond the hind wings. Legs long, very slender. Wings very narrow. Fore wings acute, longitudinally streaked with silvery cinereous, slightly speckled with brown; three irregular black lines; first line forming a very acute outward angle; second and third undulating, united near the interior border, to which they do not extend; marginal points black; exterior border extremely oblique. Hind wings pale cinereous. Length of the body 3 lines; of the wings 8 lines.

a. St. Domingo. From Mr. Tweedie's collection.

## HYDROCAMPUS? DISPULSALIS.

Fœm. *Alba*; palpi graciles, oblique ascendentibus, basi cervini, articulo 3o lanceolata; antennæ gracillimæ; thorax cervino fasciatus; alæ angustæ, fimbria nigro punctata; anticæ pallide cervinæ, albo varie, nigro subconspersæ, fasciis duabus albis, 1a perobliqua subundulata, 2a marginali lineam pallide cervinam includente; posticæ lituris minus determinatis.

Female. White, slender. Proboscis very short. Palpi pubescent, slender, obliquely ascending, fawn-coloured towards the base, not rising so high as the vertex; third joint lanceolate, about half the length of the second. Antennæ very slender. Thorax with a pale fawn-coloured band. Legs smooth, very slender. Wings narrow, with black points on the fringe. Fore wings acute, pale fawn-colour, with some black speckles and with a few white intervals; two narrow white bands; first slightly undulating, very oblique; second marginal, including a festooned pale fawn-coloured line. Hind wings with markings much like those of the fore wings. Length of the body 3 lines; of the wings 8 lines.

a. Limas, Honduras. Presented by H. T. Stainton, Esq.

## HYDROCAMPUS INORNATA.

Mas. Pallide cinereo-cervina, gracillima; palpi porrecti, fimbriati, capitis latitudine breviores; antennæ robustæ, pubescentes; alæ anticæ acutæ, punctis marginalibus fuscis; posticæ albæ, linea marginali fusca.

Male. Pale cinereous fawn-colour, very slender. Body beneath, abdomen and legs silvery cinereous. Palpi porrect, with a short thick fringe above, shorter than the breadth of the head; third joint acute, minute. Antennæ stout, pubescent. Abdomen extending rather beyond the hind wings; apical tuft elongate. Legs very slender. Fore wings acute; marginal points brown; exterior border straight, rather oblique. Hind wings white, with a brown marginal line. Length of the body 4½ lines; of the wings 10 lines.

Bogota. In Mr. Birchall's collection.

**HYDROCAMPA? DIMOOLORALIS.**

**Fem.** *Alba; palpi graciles, brevissimi, oblique decumbentes; ala antica fuscæ, apice rotundata, fascia basali postice dilatata, fascia media linea duas fuscas angulosas includente, linea exteriore duplicita undulata fasciaque submarginali albæ, macula pallide ochracea; postica alba, macula pallide ochracea fusco marginata, macula, lineola, linea exteriore undulata fasciaque lata marginali fasciam albam includente fuscis.*

**Female.** White. Palpi slender, very short, obliquely decumbent. Antennæ slender. Legs long, smooth, slender. Fore wings brown, rounded at the tips; a white band near the base, dilated towards the interior border; a white band across the middle, containing two zigzag brown lines; a double white exterior undulating line proceeding from the costa to the disk, and there ceasing; a pale dull ochraceous spot between this line and the band, and an irregular white submarginal band. Hind wings white, with a pale dull ochraceous brown-bordered spot in the disk, with a brown spot and a short brown line on the interior border, with an exterior undulating brown line, and with a broad brown marginal band, which contains an irregular white submarginal band. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

a. Moreton Bay. From Mr. Diggles' collection.

**Genus MARGAROSTICHA.**

*Margarosticha, Ld. Wien. Ent. Mon. vii. 454.*

**MARGAROSTICHA PULCHERRIMALIS.**

*pulcherrimalis, Ld. Wien. Ent. Mon. vii. 454, pl. 18, f. 11.*

*Amboina.*

**Genus ERTRICA.**

**Mas.** Corpus gracile. Frons producta. Proboscis brevis, gracilis. Palpi porrecti, rostriformes, squamosi, subarcuati, subtus fimbriati, capitis latitudine paullo longiores; articulus 3us minimus. Antennæ gracillimæ, vix pubescentes. Abdomen alas posticas sat superans; fasciculus apicalis minimus, subcompressus. Pedes longi, gracillimi. Alæ anticae breviusculæ, latiusculæ, subfalcatae.

**Male.** Body slender. Front prominent. Proboscis short, slender. Palpi porrect, rostriform, squamous, slightly curved, fringed beneath, a little longer than the breadth of the head; third joint very minute. Antennæ very slender, hardly pubescent. Abdomen extending rather beyond the hind wings; apical tuft very small, slightly compressed. Legs long, very slender; spurs long and slender. Wings rather short and broad. Fore wings acute, subfalcate; exterior border slightly convex, moderately oblique.

#### ERTRICA PURPUREALIS.

**Mas.** *Iridescente cervina; alæ plaga magna ochracea albido marginata, fascia marginali purpurea; anticæ vitta costali purpurea.*

**Male.** Fawn-colour, with iridescent reflections. Body beneath and legs silvery white. Wings with a large orange whitish-bordered patch, which joins a purple marginal band; under side pale æneous-yellow, with a brown marginal band. Fore wings with a purple costal stripe, which does not extend to the base. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

Bogota. In Mr. Birchall's collection.

Fam. SPILOMELIDÆ, *C. L. H.* xvii. 463.

Genus LEPYRODES, *C. L. H.* xvii. 463.

#### LEPYRODES SUBAUREALIS.

**Fœm.** *Aurato-albida; palpi oblique ascendentibus, verticem superantes, articulo 3o lanceolato; alæ fasciis tribus ochraceis fusco marginatis, la 2aque angulatis connexis, 3a recta submarginali; anticæ strigis duabus basalibus ochraceis.*

**Female.** Gilded whitish. Palpi obliquely ascending, rising higher than the vertex, third joint lanceolate, shorter than the second. Abdomen extending for half its length beyond the hind wings. Fore wings with two ochraceous streaks proceeding from the base, and with three ochraceous brown-bordered bands; first and second bands connected, deeply angular; second connected with the third, which is straight and submarginal; exterior border straight, rather oblique. Hind wings with three ochraceous bands, which are like those of the fore wings in structure, but less distinct. Length of the body 4 lines; of the wings  $9\frac{1}{2}$  lines.

a. Cape. From M. Dregé's collection.

## LEPYRODES CAPENSIS.

**Mas.** *Pallide ochracea; palpi breves, subascendentes, articulo 2o fimbriato, 3o minimo; abdomen alas posticas longe superans, fasciculo apicali minimo; pedes gracillimi; alæ antice angustæ, maculis duabus magnis subrotundis, striga obliqua, guttis duabus lineaque exteriore guttulari albis hyalinis; postice basi maculaque magna hyalinis.*

**Male.** Pale ochraceous, slender. Body beneath and legs white, shining. Palpi slightly ascending, much shorter than the breadth of the head; second joint fringed above and beneath; third very minute. Antennæ long, very minutely pubescent. Abdomen extending much beyond the hind wings; apical tuft very small. Legs long, very slender. Fore wings narrow, acute, with hyaline white marks; two large nearly round spots in the disk; an oblique streak between the first spot and the base; two dots between the spots; a line of dots beyond the second spot; of these dots one on the costa is much larger than the others; exterior border slightly convex, very oblique. Hind wings hyaline towards the base, and with a large hyaline spot beyond the middle. Length of the body 4 lines; of the wings 9 lines.

Cape. In Mr. Saunders' collection.

## Genus PHALANGIODES, C. L. H. xvii. 467.

## PHALANGIODES ANNULIFERA.

**Mas.** *Ochracea, subtus alba; thorax vittis quatuor latis albis; abdomen albo fasciatum, nigro bilineatum; alæ antice fasciis quinque e maculis hyalinis iridescentibus fusco marginatis; postice hyalinae, fasciis tribus ochraceis connexis fusco marginatis.*

**Male.** Ochraceous, white beneath. Thorax with four broad white stripes. Abdomen with broad white bands, and with two slender black stripes. Fore wings with five bands composed of hyaline iridescent brown-bordered spots. Hind wings hyaline, iridescent, with three connected ochraceous brown-bordered bands. Length of the body 5 lines; of the wings 14 lines.

South Africa. In Mr. D'Urban's collection.

*Spiraloma leucia*

LEPIDOPTERA HETEROCEA.

1345

Genus ZEBRONIA, C. L. H. xvii. 469.

ZEBRONIA SEMIZEBRALIS.

Fœm. *Pallide lutea; thorax nigricante viridi trivittatus; abdominis segmenta nigricante viridi fasciata; alæ cinereæ, subhyalinæ, fascia marginali latissima cupreo-fusca lineam pallide luteam includente; anticæ apice subrotundatae, vittis duabus pallide luteis, fasciis quinque cupreo-fuscis, 3a 4aque abbreviatis, 4a interrupta strigas duas emittente; posticæ fascia cupreo-fusca.*

*Female.* Pale luteous. Thorax with three blackish green stripes, of which the middle one is very broad. Abdomen extending much beyond the hind wings, with a blackish green band on the fore border of each segment. Legs smooth. Wings cinereous, nearly hyaline, with a very broad cupreous-brown marginal band, which contains a pale luteous line. Fore wings slightly rounded at the tips, with two pale luteous stripes, one postal, the other on the interior border; four cupreous-brown bands; third and fourth bands abbreviated near the costa; fourth irregular, interrupted in the middle, and emitting two streaks to the marginal band, in which the luteous line is abbreviated near the interior angle. Hind wings with one cupreous-brown band, which is opposite the third band of the fore wings; the luteous line abbreviated at each end. Length of the body 5 lines; of the wings 12 lines.

Bogota. In Mr. Birchall's collection.

ZEBRONIA? TENERALIS.

Fœm. *Alba; palpi graciles, oblique ascendentes, verticem paulo superantes, articulis 1o 2oque apice pallide ochraceis, 3o lanceolato; thorax ochraceo bifasciatus; abdomen fusco conspersum, alas posticas paulo superans; alæ anticæ subacutæ, basi fasciisque quinque obliquis ochraceis, fascia 5a lineam albam denticulatam submarginalem includente; posticæ fasciis ochraceis, atomis nonnullis nigricantibus.*

*Female.* White. Palpi slender, obliquely ascending, rising a little higher than the vertex; first and second joints pale ochraceous at the tips; third lanceolate, much shorter than the second. Thorax with two ochraceous bands. Abdomen brown-speckled above, extending a little beyond the hind wings. Legs mostly pale ochraceous

above. Fore wings slightly acute, ochraceous at the base and with five oblique irregular ochraceous bands, of which the fifth includes a denticulated submarginal white line. Hind wings with fewer ochraceous bands; some blackish speckles beyond the middle. Length of the body  $2\frac{1}{2}$  lines; of the wings 6 lines.

a. Limas, Honduras. Presented by H. T. Stainton, Esq.

#### ZEBRONIA? BILINEALIS.

Fœm. *Pallide ochracea; palpi graciles, oblique ascendentes, verticem non superantes, articulis apice albis, 3o lanceolato; antennæ subsetulosæ; pedes graciles; alæ lineis duabus albis undulatis, punctis marginalibus nigris; antice apice rectangulæ.*

*Female.* Pale ochraceous, silvery white beneath. Palpi slender, obliquely ascending, not rising higher than the vertex; joints with white tips; third joint lanceolate, shorter than the second. Maxillary palpi very short. Antennæ minutely setulose. Legs slender. Wings with two slender undulating white lines; marginal points black. Fore wings rectangular at the tips; exterior border convex, moderately oblique. Length of the body  $2\frac{1}{2}$  lines; of the wings 6 lines.

a. Venezuela. From Mr. Dyson's collection.

#### ZEBRONIA? DIMOTALIS.

*Ochracea; oculi albo cincti; palpi oblique ascendentes, articulo 2o apice fasciculato, 3o linearis; antennæ robustæ; alæ punctis marginalibus nigris; antice vix acutæ, lineis tribus albis angulosis, 3a valde flexa, linea spatioque marginali subochracea.*

Ochraceous, shining cinereous beneath. Body white beneath. Head white about the eyes. Palpi smooth, obliquely ascending, shorter than the breadth of the head; second joint with an acute tuft beneath at the tip; third linear, rounded at the tip, shorter than the second. Antennæ stout. Legs smooth. Wings with black marginal points. Fore wings hardly acute, with three white zigzag lines, of which the third is much bent outward near the costa; exterior border slightly convex, moderately oblique. Hind wings white, with an indistinct ochraceous line, which corresponds with the third line of the fore wings; space along the exterior border

irregularly tinged with ochraceous. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

a. Honduras. From Mr. Dyson's collection.

**ZEBRONIA PERSPICUALIS.**

Mas. *Flavescente-alba; caput fusco unimaculatum; palpi lati, oblique ascendentes, articulis 1o 2oque apice fuscis, 3o nigro brevissimo; thorax fusco biguttatus et quadriguttatus; abdomen pallide fuscum, maculis duabus basalibus obscure fuscis, segmentorum marginibus posticis apiceque albis; alae albae, fimbria fusco interlineata; antice fasciis tribus latissimis pallide aurato-flavis fusco marginatis, 1a fusco bifasciata, 2a 3aque postice connexis, 2a antice pallidiore lituram obscuriore in-cludente, 3a plagam lineamque undulatam fuscas includente; posticæ linea basali, striga antemedia flavescente interlineata fasciaque marginali latissima fuscis.*

*Male.* Yellowish white. Head with a brown spot on the front. Palpi broad, obliquely ascending; first and second joints with brown tip; third black, extremely short. Antennæ setose. Thorax with a brown dot on each side in front, and with four brown stripes. Abdomen pale brown, extending rather beyond the hind wings, with a dark brown spot on each side at the base; hind borders of the segments and tip white; apical tuft small, compressed. Wings white, iridescent; fringe interlined with brown. Fore wings acute, with three irregular very broad pale gilded yellow bands, which are bordered with dark brown; first band basal, containing two irregular brown bands; second and third connected on the interior border; second with the fore half of its surface pale brown and containing a darker mark; third marginal, mostly covered by a brown patch, and containing an undulating brown line, which is near and almost parallel to its fore side; exterior border slightly convex, moderately oblique. Hind wings with a brown line near the base, and with an antemedial brown streak, which is interlined with yellowish; marginal band very broad, much like that of the fore wings, dilated from the interior angle towards the streak. Length of the body 5 lines; of the wings 12 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.  
b. Deccan. Presented by the Secretary of the India Board.

## ZEBRONIA DISCERPTALIS.

**Mas.** *Lutea; palpi oblique ascendentæ, articulo 3o minimo pedes anteriores genubus tibiisque apice nigris; alæ latæ, e strigis plurimis transversis maculisque paucis nigris quinque lineatæ.*

**Male.** Luteous. Body beneath and legs silvery white. Palpi obliquely ascending, not rising higher than the vertex ; third joint small, conical. Antennæ smooth. Abdomen extending a little beyond the hind wings. Legs hardly stout ; anterior knees and tips of anterior tibiae black. Wings broad, with many black transverse streaks of various length, and with a few black spots, which form five irregular lines. Fore wings acute ; two of the streaks united on the costa ; exterior border convex, moderately oblique. Length of the body 6 lines ; of the wings 14 lines.

a. Darjeeling. Presented by the Secretary of the India Board.

## ZEBRONIA BISTRIGALIS.

**Mas.** *Pallide ochracea; palpi porrecti, caput paullo superantes articulo 3o minimo; thorax nigro sex maculatus; abdomen guttis nigris trilineatum; alæ latiusculæ, fasciis nonnullis e maculis nigris, fasciis duabus exterioribus e strigis nigris linea marginali nigra, fimbria fusco interlineata.*

**Male.** Pale ochraceous, brighter ochraceous beneath. Palpi porrect, extending a little beyond the head ; third joint very short. Thorax with three black dots on each side. Abdomen extending rather beyond the hind wings, with three lines of black dots. Tibia with black tips. Wings rather broad, with some incomplete bands composed of black spots, and with two exterior bands composed of black streaks ; marginal line black ; fringe interlined with brown near the base. Fore wings acute, with eight bands ; exterior border slightly convex, rather oblique. Hind wings with four bands. Length of the body 6 lines ; of the wings 16 lines.

a, b. Darjeeling. Presented by the Secretary of the India Board.

## ZEBRONIA SALOMEALIS, C. L. H. xvii. 476.

**Var. Fœm.** *Pallide testacea; palpi robusti, oblique ascendentæ, fusco bifasciatis, articulo 3o minimo; thorax ochraceo bifasci-*

*atus ; abdomen ochraceum, basi pallide testaceum, macula subapicali nigra ; alae lineis tribus fuscis dentatis, 2a valde flexa, linea marginali fusca puncta nigra includente, orbiculari et reniformi fusco marginatis, fimbria fuscescente interlineata ; anticæ lineis duabus basalibus ochraceis dentatis apud costam fuscis.*

*Female.* Pale buff-colour. Body beneath and legs silvery white. Palpi stout, with two brown bands, obliquely ascending, not rising higher than the vertex; third joint very minute. Thorax with two ochraceous bands. Abdomen extending much beyond the hind wings, ochraceous except at the base, with a black subapical spot. Fore knees, tips of the fore tibiæ and of the joints of the fore tarsi black. Wings rather broad, with three dentate brown lines; second line deeply bent outward; marginal line brown, including minute black points; orbicular and reniform marks brown-bordered, less regular in the hind wings than in the fore wings; fringe interlined with pale brown. Fore wings acute; two ochraceous dentate lines near the base, brown towards the costa; exterior border convex, slightly oblique. Length of the body 6 lines; of the wings 14 lines.

a. Hindostan. Presented by Sir J. Hearsey.

#### ZEBRONIA ABRAXALIS.

*Mas. Alba ; palpi ascendentes, robusti, subarcuati, articulo 2o basi fuscus, 3o parvo lanceolato ; antennæ nodo parvo antemedio ; thorax antice fuscus trimuculatus ; alæ fuscus fimbriatae ; anticæ fasciis quinque fuscis, 3a 4aque macularibus, 5a marginali postice attenuata ; anticæ macula antemedia, fascia postmedia undulata, striga transversa subapicali fasciaque marginali fuscis, plaga apud angulum interiorem ochracea maculas tres nigricantes includente.*

*Male.* White. Palpi stout, slightly curved, applied to the head, not rising higher than the vertex; second joint brown towards the base; third lanceolate, not more than one-fourth of the length of the second. Antennæ slightly incrassated at one-third of the length from the base. Thorax with three brown spots in front. Wings broad; fringe brown. Fore wings slightly acute, with five brown bands; first and second bands entire; third and fourth each composed of three spots; fifth marginal, entire, tapering towards the interior angle; exterior border slightly convex, moderately oblique.

Hind wings with a brown antemedial spot in the disk, with an undulating brown postmedial band, with a transverse brown subapical streak, and with a marginal brown band; a large ochraceous patch by the interior angle, containing three blackish spots. Length of the body 7 lines; of the wings 18 lines.

a. Darjeeling. Presented by the Secretary of the India Board.

#### ZEBRONIA? RETRACTALIS.

*Alba; palpi arcuati, verticem via superantes, articulis apice ochraceis, 3o longi-conico; alæ lateæ, fasciis duabus ochraceis deinceps interruptis, 2a fusco submarginata, fimbria pallide ochracea; antica fascia 1a strigam fuscum transversam includente, linea marginali pallide ochracea postice abbreviata; postice fascia 1a punctum fuscum includente.*

White, shining. Palpi curved, squamous, applied to the head, hardly rising higher than the vertex; joints ochraceous towards the tips; second joint a little shorter than the first; third elongate-conical, much shorter than the second. Antennæ smooth. Wings broad, with two irregular and interrupted ochraceous bands, of which the second is more determinate than the first and is partly bordered with brown; first band inclosing a transverse brown streak in the fore wings and a brown point in the hind wings; fringe pale ochraceous. Fore wings acute, with a pale ochraceous marginal line, which does not extend to the interior angle; exterior border slightly convex and oblique. Length of the body 4 lines; of the wings 9 lines.

Allied to *Z. abdicalis*.

Mysol. In Mr. Saunders' collection.

#### ZEBRONIA BILINEOLALIS.

Fœm. *Argento-alba; caput antice fusco bilineatum; palpi robusti, suberecti, verticem non attingentes, articulo 3o conico; pedes graciles; alæ lineis quatuor fuscis obliquis subrectis, 4a marginali; anticae acutaæ, linea brevi postmedia vittaque costali fuscis.*

*Female.* Silvery white. Front of the head with two longitudinal brown lines. Palpi stout, smooth, nearly erect, not rising so high as the vertex; third joint conical, minute. Legs slender. Wings with four brown oblique nearly straight lines; first line near

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the base; second extending from the middle of the costa of the fore wings to the interior angle of the hind wings; third submarginal, broader than the first and than the second; fourth marginal, slender. Fore wings acute, with a slender brown line between the second and third lines, but not extending to the interior border; a brown costal stripe; exterior border slightly convex, very oblique. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

**a. Mysol.** From Mr. Wallace's collection.

#### ZEBRONIA TRILINEALIS.

**Form.** *Argenteo-alba*; palpi graciles, suberecti, verticem superantes, articulo 2o arcuato, 3o lanceolato; alæ lineis duabus obliquis fuscis, 2a abbreviata, linea marginali fusca; antica subacuta, linea postmedia fusca postice abbreviata.

**Female.** Silvery white, slender. Palpi slender, nearly erect, rising higher than the vertex; second joint curved; third lanceolate, rather shorter than the second. Antennæ and legs slender. Wings with two brown oblique lines; first line at a little beyond one-fourth of the length; second across the middle, incomplete; marginal line brown. Fore wings slightly acute; a brown line at two-thirds of the length, not oblique, abbreviated towards the interior angle; exterior border convex, moderately oblique. Length of the body 4 lines; of the wings 10 lines.

Most allied to *Z. Cranealis*.

**Ceram.** In Mr. Saunders' collection.

#### ZEBRONIA ALIENALIS.

**Form.** *Argenteo-alba*; caput antice fuscum; palpi fusti, erecti, verticem non superantes, articulo 3o lanceolato; thoracis latera antica fusca; alæ semihyalinæ, fasciis duabus fuscis, 2a marginali; antica vittis dubius strigaque intermedia transversa fuscis, fascia 1a antice angusta, 2a postice attenuata.

**Female.** Silvery white, slender. Head brown in front. Palpi brown, smooth, erect, not rising higher than the vertex; third joint lanceolate, shorter than the second. Antennæ long. Thorax brown on each side in front. Legs slender. Wings elongate, semihyaline, with two brown oblique bands; second band marginal. Fore wings acute, with a brown costal stripe and with a transverse brown streak at the end of the areolet; an incomplete brown stripe near the

interior border; first band much narrower near the costa; second decreasing in breadth towards the interior angle; exterior border slightly convex, very oblique. Hind wings with the first band much narrower than the second, which tapers from the tip to the interior angle. Length of the body 4 lines; of the wings 10 lines.

Makian, Celebes. New Guinea. In Mr. Saunders' collection.

#### ZEBRONIA AMENALIS.

*Mas. Alba; caput antice pallide ochraceum; palpi pallide ochracei, subtus albi, verticem superantes, articulo 3o longi-conico; thorax antice ochraceus; alæ ochraceo quadrifasciataæ, fasciis 1a 2a 3a connexis, linea marginali ochracea; antice fascia basali ochracea, punctis tribus costalibus guttaque transversa nigris.*

*Male.* White. Head pale ochraceous in front. Palpi rising rather higher than the vertex, mostly pale ochraceous on the outer side; third joint elongate-conical, less than one-fourth of the length of the second. Antennæ stout, pubescent. Thorax ochraceous in front. Fore tibiae and fore tarsi with black bands. Wings with four ochraceous bands; third band undulating, connected by a streak with the second and joining the fourth near the interior angle; marginal line ochraceous. Fore wings with an ochraceous band very near the base; three black costal points; a black transverse dot in the disk. Length of the body 4? lines; of the wings 10 lines.

Closely allied to *Z. Plutusalis*.

Sula. In Mr. Saunders' collection.

#### ZEBRONIA INDECISALIS.

*Mas. Alba; caput ochraceo fasciatum; palpi obtusi, ochraceo trifasciati; thoracis latera antica ochracea; alæ fasciis duabus ochraceis, 1a interrupta, 2a fusco marginata, linea submarginali fuscescente indeterminata, punctis duobus fuscis; antice vix acuta, linea basalilineaque marginali ochraceis.*

*Male.* White. Head with an ochraceous band in front. Palpi obtuse, not rising higher than the vertex, ochraceous at the base; second and third joints with ochraceous tips. Antennæ stout, smooth. Thorax ochraceous on each side in front. Fore legs partly fawn-

colour on the outer side. Wings with two irregular ochraceous bands, of which the first is incomplete and the second is brown-bordered on the inner side; an incomplete irregular brownish submarginal line; two brown points in the disk, one behind the other. Fore wings hardly acute; first band composed of four patches; an incomplete ochraceous line near the base, and an ochraceous marginal line, which is abbreviated hindward. Length of the body 3 lines; of the wings 9 lines.

**Sula.** In Mr. Saunders' collection.

Fam. MARGARODIDÆ, C. L. H. xvii. 489.

Genus LEUCOCHROMA, C. L. H. xvii. 491.

LEUCOCHROMA SUBPURALIS.

*Argenteo-alba, gracilis; palpi subarcuati, oblique ascendentibus; ale antice apice rotundata, vitta costali ochracea strigas duas emitente, punctis tribus basalibus, lineis duabus, plagiisque duabus fuscis, lunula fusco marginata, linea submarginali nigricante subarcuata antice flexa et dilatata; postica lineis duabus arcuatis lineaque marginali pallide ochraceis.*

Pure silvery white, slender. Palpi smooth, slightly curved, obliquely ascending. Legs slender; fore legs mostly æneous-brown above. Fore wings rounded at the tips; an ochraceous costal stripe, emitting two streaks which diverge very slightly from it; three brown points at the base; two brown lines, the second abbreviated towards the interior border; two brown patches between the lines; the first on the interior border, the second joining the costa; a brown-bordered lunule in the disk; a blackish slightly curved submarginal line, which is dilated and abruptly bent outward near the tip; exterior border slightly convex, moderately oblique. Hind wings with two indistinct curved pale ochraceous lines and with a pale ochraceous marginal line. Length of the body 4? lines; of the wings 10 lines.

a. Venezuela. From Mr. Dyson's collection.

LEUCOCHROMA? NEBULALIS.

Mas. *Argenteo-alba; palpi oblique ascendentibus, verticem paulo superantes, articulo 2o dense fimbriato, 3o longi-conico; abdomen alas posticas longe superans, fasciculo apicali radiato;*

*ala antica latiuscula, pallide æneo-fusca, spatio apicali margine exteriore lineaque obliqua dentata albis; posticæ fasciis duabus latis connexis æneo-fuscis.*

*Male.* Silvery white. Palpi squamous, obliquely ascending, rising a little higher than the vertex; second joint with a dense short fringe beneath; third elongate-conical, about one-fourth of the length of the second. Antennæ pubescent. Abdomen extending much beyond the hind wings, with a large radiating apical tuft; appendages large. Legs slender. Wings rather broad. Fore wings acute, pale æneous-brown, with the exception of the apical space, the exterior border, and an oblique deeply dentate line at three-fourths of the length; exterior border convex, moderately oblique. Hind wings with two broad pale æneous-brown partly connected bands. Length of the body  $5\frac{1}{2}$  lines; of the wings 12 lines.

Sula? In Mr. Saunders' collection.

#### Genus GLYPHODES, C. L. H. xvii. 496.

##### GLYPHODES DOLESCHALLI.

Doleschalli, *Ld. Wien. Ent. Mon.* vii. 478, pl. 14, f. 1.

Amboina.

##### GLYPHODES ACTORIONALIS, C. L. H. xvii. 498.

Zelleri, *Ld. Wien. Ent. Mon.* vii. 478, pl. 14, f. 3.

##### GLYPHODES RUTILALIS.

rutilalis, *Wlk. Trans. Ent. Soc. Lond. 3rd. Ser.* i. 124.

Amazon Region.

##### † GLYPHODES CONCLUSALIS.

Mas. *Æneo-fusca; palpi lati, oblique ascendentibus, basi albi, verticem vix superantes, articulo 3o minimo; thorax argenteo-albo bivittatus; alæ anticæ gutta antemedia maculaque postmedia transversa fusiformi albis semihyalinis, linea exteriore alba apud costum dilatata; posticæ dimidio basali albo semi-hyalino.*

Glyphodes Actorionalis, *Ld. Wien. Ent. Mon.* vii. 402, pl. 14, f. 4.

**Male.** *Aeneous-brown.* Body beneath and legs silvery white. Palpi broad, obliquely ascending, white beneath at the base, hardly rising higher than the vertex, much shorter than the breadth of the head; third joint very minute. Thorax with a silvery white stripe along each side. Abdomen extending much beyond the hind wings. Anterior legs striped with brown. Fore wings acute, with two white iridescent semihyaline marks in the disk; the first an antemedial dot; the second a postmedial transverse fusiform spot, which has near its outer side a white line, the latter much dilated on the costa; fringe white towards the tip and towards the interior angle. Hind wings with full half the surface from the base white, iridescent, semihyaline; fringe white, brown towards the base, except the hind part. Length of the body 6 lines; of the wings 13 lines.

Closely allied to *G. diurnalisa*, from which it differs in the small size of the first white spot of the fore wing.

a. Hindostan. Presented by Sir J. Hearsey.

#### GLYPHODES PARVALIS.

*Aenea; palpi oblique ascendentis, articulo 3o minimo; alæ fimbria alba; anticæ maculis duabus magnis albis elongatis semihyalinis, gutta exteriore costali trigona alba, fimbria fusco notata; posticæ dimidio basali albae, fere hyalinæ, linea subrecta.*

*Aeneous.* Body beneath and legs silvery white. Palpi obliquely ascending, white beneath at the base, not rising higher than the vertex; third joint very minute. Wings with a white fringe. Fore wings acute, with two large transversely elongated white iridescent semihyaline partly brown-bordered spots; first spot antemedial, extending from the interior border nearly to the costa; second post-medial, near in front to a triangular white costal dot; middle part of the fringe brown. Hind wings white, iridescent and nearly hyaline on full half the surface from the base; the æneous part bordered by a blackish opaque nearly straight line. Length of the body 4 lines; of the wings 9 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

## GLYPHODES VAGALIS.

**Mas.** *Alba ; caput macula frontali cervina ; palpi porrecti extus cervini, capitis latitudine breiores, articulo 3o longi-conico ; ale amplæ, semihyalinae, fascia obliqua undulata lineaque marginali cervinis connexis fusco marginatis ; antice vittæ tribus cervinis undulatis connexis fusco marginatis, vitta antica ramos tres ad costam emittente ; posticæ strigula fusca.*

**Male.** White. Head with a fawn-coloured spot on the front. Palpi porrect, fawn-colour on the outer side, shorter than the breadth of the head; third joint elongate-conical. Antennæ smooth. Abdomen extending much beyond the hind wings; apical tuft long, slender. Legs long, slender. Wings ample, iridescent, semihyaline, with fawn-coloured brown-bordered markings; an oblique undulating band, of which the middle part touches the marginal line; the latter is very pale fawn-colour and is bordered with brown on the inner side. Fore wings with three undulating stripes, which are connected together and extend to the submarginal band; fore stripe emitting three branches to the costa. Hind wings with a large capitate brown streak in the disk. Length of the body 8 lines; of the wings 18 lines.

a. Hindostan. Presented by Sir. J. Hearsey.

b. Darjeeling. Presented by the Secretary of the India Board.

## GLYPHODES GASTRALIS.

**Fem.** *Pallide aurato-flava ; palpi oblique ascendentæ, articulo 3o minimo ; abdomen ochraceum, alas posticæ longe superans, segmentis argenteo marginatis, maculis lateralibus nigris ; ale fusco quinque lineatae, linea 2a strigam latam emittente, vitta strigataque postica brevi lata fuscis ; posticæ lineis tribus fuscis 3a marginali apud apicem dilatata.*

**Female.** Pale gilded-yellow. Palpi obliquely ascending, not rising higher than the vertex; third joint very minute. Abdomen ochraceous, extending much beyond the hind wings; hind borders of the segments silvery; a row of black spots along each side. Wings with three brown lines; third line marginal. Fore wings slightly acute; two approximate brown lines between the lines before mentioned and intersected by a brown stripe, which extends from

the first line to the hinder end of the exterior border; second line emitting a broad brown streak to the exterior border, which is convex and moderately oblique; a short oblique brown streak near the base of the interior border. Hind wings with the marginal line dilated at the tip. Length of the body 6 lines; of the wings 15 lines.

• Darjeeling. Presented by the Secretary of the India Board.

#### GLYPHODES CONJUNCTALIS.

**Mas.** *Fusca; oculi albo cincti; palpi albi, porrecti, lati, breves, fusco vittati; abdominis segmenta albo marginata; aæ macula basali maxima alba semihyalina; antice maculis duabus albis semihyalinis, 1a parva antemedia; 2a magna postmedia, linea submarginali e guttis albis, fimbria albo binotata; posticæ gutta postmedia, macula submarginali strigaque postica albis.*

**Male and female.** Brown. Head white about the eyes and beneath. Palpi white, porrect, broad, mostly brown on the outer side, not longer than half the breadth of the head; third joint extremely short. Antennæ rather stout, minutely pubescent. Pectus white in front. Abdomen extending rather beyond the hind wings; hind borders of the segments white; under side white, with a brown band on the hind border of each segment. Wings with a very large white iridescent semihyaline spot, which forms a very broad band near the base of the hind wings and a semi-elliptical mark on the interior border of the fore wings. Fore wings with two white semi-hyaline spots in the disk; one small, antemedial; the other large, postmedial; a submarginal line of white dots; fringe with two white marks; one near the tip, the other near the interior angle. Hind wings with a white postmedial dot in the disk, with a white spot near the middle of the exterior border, and with an irregular white streak near the interior angle. Length of the body 4½ lines; of the wings 11 lines.

Most allied to *G. diurnalis*, from which the submarginal white markings of the wings especially distinguish it.

**Sula. Mysol. New Guinea.** In Mr. Saunders' collection.

## GLYPHODES NODIFERALIS.

**Fœm.** *Pallide cervina ; caput album, frontis disco cinereo ; palpi porrecti, breves, rostriformes, articulo 3o minimo ; abdomen lanceolatum, alas posticas longe superans, segmentis albido marginalis ; pedes gracillimi ; alæ albae, fere hyalinae, fascia marginali pallide cervina fusco marginata ; antice vitta costali fasciisque quatuor fusco marginatis pallide cervinis, fasciis 3a 4aque connexis, 3a angulata ; postice fasciis duabus connexis pallide fusco marginatis.*

**Female.** Pale fawn-colour. Body beneath and legs silvery white. Head white; disk of the front cinereous. Palpi porrect, rostriform, white beneath, much shorter than the breadth of the head; third joint very minute. Antennæ slender. Abdomen lanceolate, extending much beyond the hind wings; hind borders of the segments whitish. Legs long, very slender. Wings white, iridescent, nearly hyaline, with a pale fawn-coloured brown-bordered un marginal band. Fore wings acute, with a pale fawn-coloured costal stripe and with four pale fawn-coloured brown-bordered bands; first band basal; second antemedial; third postmedial, very angular, connected in the middle with the fourth, which ends on the hind part of the marginal band; exterior border slightly convex, very oblique. Hind wings with two pale fawn-coloured brown-bordered bands; these are connected in the middle, and the second terminates in the middle of the marginal band. Length of the body 5 lines; of the wings 12 lines.

**a, b.** Ceram. From Mr. Wallace's collection.

## GLYPHODES PRINCIPALIS.

**Mas.** *Alba ; corpus vitta lata cupreo-fusca ; palpi cupreo-fusci, latissimi, subtus albi, oblique ascendentibus, articulo 3o brevissimo ; thorax vittis duabus anticis cupreo-fuscis ; abdomen alas posticas satis superans ; alæ subhyalinae, fascia marginali cupreo-fusca apud costam dilatata ; antica basi, linea basali, vitta costalis fasciisque duabus cupreo-fuscis, fascia la strigam albam includente, 2a postice arcuata et attenuata.*

**Male.** White. Body with a broad cupreous-brown stripe, which extends from the front of the head to the tip of the abdomen. Palpi very broad, cupreous-brown, white beneath, obliquely ascending, not rising higher than the vertex; third joint extremely short.

Antennæ slender, pubescent. Thorax with a cupreous-brown stripe on each side in front. Abdomen extending rather beyond the hind wings; apical tuft elongate. Legs long, slender. Wings elongate, iridescent, slightly hyaline, with a cupreous-brown marginal band, which is dilated towards the costa. Fore wings acute; base, a costal stripe, a line near the base and two bands cupreous-brown; first band across the middle, containing a white streak in front; second curved and attenuated towards the interior angle; exterior border slightly convex, very oblique. Length of the body 7 lines; of the wings 16 lines.

Sumatra. In Mr. Saunders' collection.

#### GLYPHODES GLOBULIPEDALIS.

Mas. *Aeneo-cervina; antennæ glabrae; thorax albo bivittatus; abdomen alas posticas superans, maculis dorsalibus albis; pedes gracillimi, tibiis anticis apice incrassatis et fimbriatis, tarsis anticis basi incrassatis et dense fimbriatis; alas fimbria cinerea; antica linea basali abbreviata, maculis tribus transversis elongatis strigaque exteriore transversa albis semihyalinis; posticæ albæ, fascia postmedia lata strigas duas latas emittente fasciaque marginali aeneo-cervinis.*

Male. Aeneous fawn-colour. Body beneath and legs silvery white. Antennæ long, smooth, slender. Thorax with two white stripes. Abdomen extending a little beyond the hind wings, with a white spot on the hind border of each segment; apical tuft small. Legs long, very slender; fore legs and middle tibiae aeneous fawn-colour; fore tibiae incrassated and fringed towards the tips; fore tarsi incrassated and densely fringed towards the base. Wings with a cinereous fringe. Fore wings acute, with five white iridescent semihyaline marks; a line near the base, not extending to the costa; three transverse elongated spots, one antemedial, the other two post-medial; a more exterior transverse streak, which is slightly dislocated near its middle and is acuminate at its hind end; exterior border slightly convex, very oblique. Hind wings white, iridescent, with a postmedial aeneous fawn-coloured band, which emits a broad streak to the costa at one-third of the length of the wing and another to the middle of the cupreous fawn-coloured marginal band. Length of the body 7 lines; of the wings 18 lines.

New Guinea. In Mr. Saunders' collection.

## GLYPHODES EXCELSALIS.

*Fæm.* *Alba*; *caput pallide ochraceum, vitta tenui cupreo-fusca; palpi cupreo-fusci, porrecti, rostriformes, subtus albi; thorax et abdomen vitta cupreo-fusca nigro marginata; thorax striatus duabus lateralibus cupreis; alæ subhyalinæ, fascia submarginali cupreo-fusca argenteo-cinereo marginata, linea marginali nigra; antica vitta trigona obscure ochracea nigro marginata lineolam albam obliquam includente, fascia obscure ochracea nigro marginata apud costam dilatata lineolas duas albas strigamque lineolamque cyaneas includente, fascia exteriore sub-interrupta nigricante, fascia adhuc exteriore cyanea albido marginata; posticæ litura lineisque quatuor cupreo-fuscis.*

*Female.* White. Head pale ochraceous above, with a cupreous-brown longitudinal line. Palpi cupreous-brown, white beneath, porrect, rostriform, as long as the breadth of the head. Thorax and abdomen with a cupreous-brown black-bordered stripe. Thorax with a short cupreous stripe on each side in front. Legs slender; fore femora with a cupreous stripe; fore tibiae and fore tarsi pale ochraceous. Wings iridescent, slightly hyaline, with a cupreous-brown submarginal band, which is bordered with silvery cinereous on the inner side; marginal line black. Fore wings acute; a triangular dark ochraceous stripe, widening from the base to nearly two-thirds of the length, occupying the basal part of the costa, touching the interior border at half the length of the latter, broadly bordered with black along its hind side, with a narrow black line along its outer side, containing a short oblique white line, which extends from the costa; a dark ochraceous black-bordered band, dilated towards the costa, containing two white lines and an intermediate blue streak in its hind part and a blue line in front connecting on the interior border the stripe with an exterior blackish band, which is almost interrupted in the middle; the latter is divided from the submarginal band by a blue band, which is bordered on each side by a whitish line; exterior border slightly convex, moderately oblique. Hind wings with a slender cupreous-brown mark in the disk, and with four cupreous brown lines, which are approximate and almost parallel to the submarginal band. Length of the body 6 lines; of the wings 16 lines.

a. Swan River. From Mr. Diggles' collection.

## Genus PHAKELLURA, C. L. H. xviii. 509.

## PHAKELLURA ARGUTA.

*arguta*, Ld. Wien. Ent. Mon. vii. 478, pl. 13, f. 15.

North America.

## PHAKELLURA ADVENALIS.

*advenalis*, Ld. Wien. Ent. Mon. vii. 478, pl. 13, f. 17.

China. Japan. Java.

## PHAKELLURA EXCLUSALIS.

*Mas.* *Fusca*; *antennæ argenteo-cinereæ, subpubescentes*; *abdomen fasciculo apicali luteo apice fusco alboque subtus nigro*; *pedes argenteo-albi, longi, gracillimi*; *alæ cupreæ, plaga alba hyalina*.

*Male.* Brown. Antennæ silvery cinereous, long, slender, minutely pubescent. Abdomen extending much beyond the hind wings; apical tuft black beneath, luteous above, except towards the tip, where it is dark brown and white. Legs silvery white, long, very slender. Wings capreous; disk with a white hyaline iridescent patch, which is very large in the hind wings. Length of the body 6 lines; of the wings 12 lines.

This species belongs to the group of which *P. nitidalis* is the type.

Bogota. In Mr. Birchall's collection.

## Genus MARGARONIA, C. L. H. xviii. 518.

## MARGARONIA AURICOSTALIS.

*auricostalis*, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 124.

Para.

## MARGARONIA FRONTALIS.

*Mas.* *Nivea, gracilis*; *caput antice nigricans*; *palpi nigricantes, porrecti, rostriformes, capitis latitudine paullo longiores, articulo 3o lanceolato*; *abdomen alas posticas longe superans, vitta costali nigricante abbreviata*.

**Male.** Pure white, slender. Head blackish in front. Palpi blackish, porrect, smooth, rostriform, a little longer than the breadth of the head; third joint lanceolate, less than half the length of the second. Antennæ setulose. Abdomen extending much beyond the hind wings. Legs slender; fore legs partly blackish above. Fore wings acute, with a blackish costal stripe, which is paler beyond the middle and ceases at a little beyond two-thirds of the length; exterior border nearly straight, moderately oblique. Length of the body 4 lines; of the wings 10 lines.

a. Natal. From M. Gueinzius' collection.

#### MARGARONIA ZAMBESALIS.

*Læte viridis; alæ puncto discali punctisque marginalibus elongatis nigris, fimbria argenteo-alba.*

Vivid green. Wings with a black point in the disk; exterior border with black elongated points; fringe silvery white. Length of the body 6 lines; of the wings 16 lines.

Zambesi River. In Mr. Waller's collection.

#### MARGARONIA CLARALIS.

Fœm. *Nivea; palpi cervini, porrecti, breves, lati, subtus albi, articulo 3o minimo; thoracis latera antica cervina; abdomen alas posticas paullo superans; alæ semihyalinæ, puncto nigro; anticæ vitta costali cervina.*

**Female.** Pure white. Palpi fawn-colour, porrect, broad, white beneath, much shorter than the breadth of the head; third joint very short. Antennæ white, long, slender. Thorax fawn-colour along each side between the fore border and the fore wing. Abdomen extending a little beyond the hind wings. Fore legs above with an interrupted fawn-coloured stripe, which extends from the middle of the femora to the tips of the tibiæ. Wings iridescent, semihyaline, with a black point at the base of the first, second and third inferior veins. Fore wings acute; a fawn-coloured costal stripe extending along full one-fourth of the length from the base; exterior border nearly straight, moderately oblique. Length of the body 7 lines; of the wings 18 lines.

a. South Africa. From Mr. Trimen's collection.

**MARGARONIA MALIFERALIS.**

**Mas.** *Læte viridis; oculi albo cincti; palpi ochracei, subtus albi, capitis latitudine non breviores; abdomen apice nigrum; alæ puncto disci punctisque marginalibus nigris, fimbria argenteo-cinerea; anticæ costa flava.*

**Male.** Bright apple-green, silvery green beneath. Eyes white-bordered. Palpi ochraceous, white beneath, as long as the breadth of the head. Pectus silvery white in front. Abdomen extending much beyond the hind wings; apical tuft black. Wings with a black point in the disk, and with very minute black marginal points; fringe dark silvery cinereous. Fore wings acute; costa yellow. Length of the body 7 lines; of the wings 17 lines.

**a. Darjeeling.** Presented by the Secretary of the India Board.

**MARGARONIA AMPHITRALIS.**

**Fœm.** *Pallide argenteo-cærulea; palpi ochracei, subascendentes, subtus apiceque albi, capitis latitudine multo breviores; thoracis latera antica ochracea; alæ punctis marginalibus nigris; anticæ puncto disci nigro, costa ochracea.*

**Female.** Pale silvery blue. Palpi ochraceous, slightly ascending, white beneath and at the tips, much shorter than the breadth of the head. Thorax with a green tinge about the fore border; sides ochraceous in front. Abdomen extending rather beyond the hind wings. Middle knees, fore femora towards the tips and fore tibiæ brown, the latter with a fawn-coloured band. Wings with minute black marginal points. Fore wings acute, with a black point in the disk; costa ochraceous. Length of the body 9—10 lines; of the wings 22—24 lines.

**Gilolo. Mysol. New Guinea.** In Mr. Saunders' collection.

**MARGARONIA MELANURALIS.**

**Mas.** *Læte viridis; palpi subtus albi; abdomen alas posticas longe superans, fasciculo apicali nigro; pedes albi, viridi varii, femoribus tibiisque anticis apice ochraceis.*

**Male** Bright apple-green, paler green beneath. Palpi white beneath. Abdomen extending much beyond the hind wings; apical tuft black. Legs mostly white; fore femora and fore tibiæ ochraceous

towards the tips. Length of the body 8 lines; of the wings 18 lines.

The pale colour of the fringe distinguishes it from *M. Attilalis*, to which species it has most resemblance.

Flores. In Mr. Saunders' collection.

#### MARGARONIA PROXIMALIS.

**Mas.** *Læte viridis; palpi subtus albi, capitis latitudine breviores; abdomen apice nigricans; tibiae posticae fusco fasciatæ; ale fimbria argenteo-alba.*

**Male.** Bright apple-green, silvery green beneath. Palpi shorter than the breadth of the head, white beneath. Antennæ hardly pubescent. Pectus silvery white in front. Abdomen extending much beyond the hind wings; apical tuft blackish. Anterior femora with ochraceous tips; anterior tibiae with brown tips; hind tibiae fringed with two tufts of brown hairs. Wings without any markings; fringe silvery white. Fore wings with a yellowish costa. Length of the body 8 lines; of the wings 18 lines.

Very nearly allied to *M. pomonalis*, but the latter is more slender and the costa of its fore wings is white.

Makian, Celebes. In Mr. Saunders' collection.

#### MARGARONIA PUNCTIFERALIS.

**Fœm.** *Læte argenteo-viridis; oculi albo cincti; palpi ochracei, subtus albi, capitis latitudine non breviores; abdomen apice ochraceum; ale puncto disci punctisque marginalibus nigra, fimbria argenteo-cinerea, costa ochracea.*

**Female.** Bright silvery green, greenish silvery beneath. Eyes white-bordered. Palpi ochraceous, white beneath, as long as the breadth of the head. Abdomen lanceolate, extending rather beyond the hind wings, ochraceous at the tip. Fore tarsi ochraceous towards the tips. Wings with a black point in the disk, and with minute black marginal points; fringe silvery cinereous. Fore wings acute; costa dull ochraceous. Length of the body 6 lines; of the wings 16 lines.

New Guinea. In Mr. Saunders' collection.

## MARGARONIA DIAPHANALIS.

Fœm. *Argenteo-alba; caput anticæ æneum; palpi lati, suberecti, apice ænei, articulo 3o brevissimo; thorax antice ochraceus; abdomen alas posticas longe superans; alæ longæ, sat angustæ, fere hyalinæ, punctis marginalibus nigris; anticæ costa ænea.*

*Female.* Silvery white. Head æneous in front. Palpi broad, nearly erect, not rising so high as the vertex, æneous towards the tips; third joint extremely short. Fore border of the thorax ochraceous. Abdomen extending much beyond the hind wings. Fore legs mostly fawn-colour. Wings long, rather narrow, nearly hyaline; marginal points black. Fore wings acute; costa æneous; exterior border very oblique. Length of the body 7 lines; of the wings 18 lines.

Aru. In Mr. Saunders' collection.

## MARGARONIA HERBIDALIS.

Fœm. *Læte viridis; oculi albo cincti; palpi subtus albi; abdomen apice ochraceum; alæ fimbria cinerea; anticæ puncto discali nigricante, costa flavescente.*

*Female.* Bright grass-green. Body beneath and legs silvery white. Head white about the eyes. Palpi white beneath. Abdomen extending somewhat beyond the hind wings, ochraceous at the tip. Fore femora ochraceous towards the tips; fore tibiae with an ochraceous band. Wings with a cinereous fringe. Fore wings with a blackish point in the disk; costa yellowish. Length of the body 8 lines; of the wings 18 lines.

Very like *M. Atlitalis*, but the latter has no pale line at the base of the fringe.

a. Ceram. From Mr. Wallace's collection.

## Genus PYGOSPILA, C. L. H. xviii. 537.

## PYGOSPILA BIVITALIS.

Fœm. *Cupreo-fusca; oculi albo cincti; palpi lati, oblique ascendentes, subtus albi, articulo 3o brevissimo; thorax vittis duabus pallide ochraceis; abdomen longissimum, vittis duabus macularibus duabusque exterioribus integris albis; alæ anticæ*

*cupreae, purpureo suffusa, strigis duabus basalibus argenteo-albis, maculis quatuor subquadratibus maculisque quatuor minoribus albis semihyalinis, fimbria cinerea; postice fusca, sublanuginosae, spatio costali fimbriaque albis.*

*Female.* Cupreous-brown. Body silvery white beneath. Eyes white-bordered. Palpi broad, obliquely ascending, not rising higher than the vertex, white beneath, except towards the tips; third joint extremely short. Thorax with a pale ochraceous stripe on each side. Abdomen very long, extending much beyond the hind wings, with four white stripes, of which the middle pair are composed of lanceolate connected spots. Fore knees blackish; fore tibiae with a blackish band. Fore wings acute, cupreous, purple-tinged, with two silvery white oblique streaks at the base, and with eight white semihyaline spots, of which four are subquadrate and larger than the rest; interior border convex towards the base, concave along the outer part; fringe cinereous. Hind wings brown, somewhat woolly; costal space and fringe white. Length of the body 11 lines; of the wings 25 lines.

Ceram. In Mr. Saunders' collection.

### Genus CAPRINA, C. L. H. xviii. 543.

#### CAPRINA FELDERI.

Felder, *Ld. Wien. Ent. Mon.* vii. 478, pl. 13, f. 8.

Amboina. Ceram.

#### CAPRINA? BILINEALIS.

*Fusca; palpi oblique ascendentibus, verticem non superantes, articulo 3o longi-conico; pedes gracillimi; alae anticae late, acuta, lineis duabus albis parallelis subobliquis; postice albae, semi-hyalinae, fascia marginali fusca.*

Brown. Body beneath and legs silvery white. Palpi smooth, obliquely ascending, not rising higher than the vertex, very much shorter than the breadth of the head; third joint elongate-conical, less than half the length of the second. Antennæ smooth. Legs smooth, very slender. Wings broad, iridescent. Fore wings acute, with two white parallel slightly oblique lines; one antemedial, the other postmedial; exterior border slightly convex, moderately ob-

lique. Hind wings white, semihyaline, with a brown marginal band. Length of the body 6? lines; of the wings 14 lines.

a. Bogota. From Mr. Stevens' collection.

#### Genus STENOPHYES.

*Stenophyes*, *Ld. Wien. Ent. Mon.* vii. 388, pl. 2, f. 16.

#### STENOPHYES SERINALIS.

*Phalangiodes serinalis*, *C. L. H.* xvii. 468.

North America. Venezuela.

#### Genus SYNCLERA.

*Synclera*, *Ld. Wien. Ent. Mon.* vii. 444.

#### SYNCLERA TRADUCALIS.

*Eudiopsis traducalis*, *Zll. Lep. Cuffr.* 54—*retinalis*, *Ld. Wien. Ent. Mon.* 1857—*Glyphodes univocalis*, *C. L. H.* xvii. 499.

Syria. Caffraria. Hindostan.

#### SYNCLERA AQUATICALIS.

*Spilomela aquatricalis*, *C. L. H.* xvii. 473.

#### Genus STEMORRHAGES.

*Stemorrhages*, *Ld. Wien. Ent. Mon.* vii. 397.

#### STEMORRHAGES SERICEA.

*Botys thalassinalis*, *Boisd. Faun. Mad.* 116, pl. 16—*Margaronia sericeolalis*, *C. L. H.* xviii. 526.

#### Genus ENCHOENEMIDIA.

*Enchoenemidia*, *Ld. Wien. Ent. Mon.* vii. 399, pl. 5, f. 30.

#### ENCHOENEMIDIA SQUAMOPEDALIS.

*Margaronia squamopedalis*, *C. L. H.* xviii. 526.

## Genus EUCLASTA.

*Euclasta*, *Ld. Zool. Bot. Ver.* 1855, 252; *Wien. Ent. Mon.* vii. 423—*Ilurgia, C. L. H.* xviii. 544.

## EUCLASTA SPLENDIDALIS.

*splendidalis*, *H.-Sch. Schm.* iv. 33, f. 109.

Brussa. Amasia.

## EUCLASTA FILIGERALIS.

*filigeralis*, *Ld. Wien. Ent. Mon.* vii. 481, pl. 15, f. 14.

Hindostan.

## EUCLASTA MACERATALIS.

*maceratalis*, *Ld. Wien. Ent. Mon.* vii. 481, pl. 15, f. 11.

Australia.

## Genus PYCNARMON.

*Pycnarmon*, *Ld. Wien. Ent. Mon.* vii. 441.

## PYCNARMON JAGUARALIS.

*Zebronia jaguaralis*, *C. L. H.* xvii. 486.

Hindostan. Malacca. Celebes. Mysol. New Guinea.

## Genus MOROCOSMA.

*Morocosmia*, *Ld. Wien. Ent. Mon.* vii. 403.

## MOROCOSMA MARGARITARIA.

*Glyphodes Crameralis*, *C. L. H.* xvii. 500.

## Genus CYDALIMA.

*Cydalima*, *Ld. Wien. Ent. Mon.* vii. 397.

## CYDALIMA LATICOSTALIS.

*Margaronia laticostalis*, *C. L. H.* xviii. 528.

**CYDALIMA NITIDICOSTALIS.**

*Margaronia nitidicostalis, C. L. H. xviii. 529.*

**CYDALIMA CONCHYLALIS.**

*Margaronia conchylalis, C. L. H. xviii. 529.*

**Genus LOMOTROPA.**

*Lomotropa, Ld. Wien. Ent. Mon. vii. 404.*

**LOMOTROPA COSTIFLEXALIS.**

*Pygospila costiflexalis, C. L. H. xviii. 538.*

**Genus CIRRHOCHRISTA.**

*Cirrhochrista, Ld. Wien. Ent. Mon. vii. 440.*

**CIRRHOCHRISTA BRIZOALIS.**

*Margaronia Brizoalis, C. L. H. xix. 976.*

**CIRRHOCHRISTA PULCHELLALIS.**

*pulchellalis, Ld. Wien. Ent. Mon. vii. pl. 17, f. 10.*

*Amboina.*

**CIRRHOCHRISTA FIGURATALIS.**

*Fœm. Alba; palpi ochracei, graciles, porrecti, apice albi, capitis latitudine longiores; alas linea marginali dentata fusca, simbra ochracea; antice vitta costali fasciisque tribus attenuatis ochraceis fusco marginatis, fascia 2a brevi, 3a obliqua marginem exteriorem attingente, annulo lituraque postica ochraceis fusco marginatis.*

*Female. White. Palpi slender, porrect, ochraceous on the outer sides, except towards the tips, longer than the breadth of the head; third joint lanceolate, about one-fourth of the length of the second. Maxillary palpi ochraceous, white towards the tips, a little less than half the length of the labial palpi. Abdomen extending rather beyond the hind wings. Tarsi with ochraceous bands. Wings*

shining, with an irregular dentate brown marginal line; fringe ochraceous. Fore wings with an ochraceous brown-bordered costal stripe, which emits three attenuated ochraceous brown-bordered streaks; first streak extending to the interior border before the middle of the latter; second short, in front of an ochraceous brown-bordered ringlet, the latter opposite a small ochraceous brown-bordered mark on the interior angle; third joining the exterior border at somewhat in front of the middle of the latter, towards which it is dilated. Hind wings with a very short streak extending from the marginal line towards the costa. Length of the body 4 lines; of the wings 10 lines.

Nearly allied to *C. Brizoalis*, from which it may be distinguished by the ringlet on the fore wing.

Makian, Celebes. In Mr. Saunders' collection.

#### Genus SAROTHRONOTA.

*Sarathronota*, *Ld. Wien. Ent. Mon.* vii. 394.

#### SAROTHRONOTA FLEGYALIS.

*Margaronia Flegyalis*, *C. L. H.* xvii. 520.

#### Genus AUXOMITIA.

*Auxomitia*, *Ld. Wien. Ent. Mon.* vii. 391.

#### AUXOMITIA MIRIFICALIS.

*mirificalis*, *Ld. Wien. Ent. Mon.* vii. pl. 13, f. 1.

Nicobara.

#### Genus CIRRHOCEPHALA.

*Cirrhocephala*, *Ld. Wien. Ent. Mon.* vii. 395.

#### CIRRHOCEPHALA VENOSA.

*venosa*, *Ld. Wien. Ent. Mon.* vii. 395.

Cuba.

#### Genus DICHOGAMA.

*Dichogama*, *Ld. Wien. Ent. Mon.* vii. 396.

## DICHOGAMA REDTENBACHERI.

**Redtenbacheri**, *Ld. Wien. Ent. Mon.* vii. pl. 13, f. 10, 11.  
**Isle St. Thomas.**

## Genus CRYPTOGRAPHIS.

**Cryptographis**, *Ld. Wien. Ent. Mon.* vii. 399.

## CRYPTOGRAPHIS ROGENHOFFERI.

**Rogenhoferi**, *Ld. Wien. Ent. Mon.* vii. 400.  
**America.**

## Genus HETEROCNOPHES.

**Heterocnophes**, *Ld. Wien. Ent. Mon.* vii. 402.

## HETEROCNOPHES SCAPULALIS.

**scapulalis**, *Ld. Wien. Ent. Mon.* vii. pl. 14, f. 5.  
**Amboina.**

## Genus ANALYTA.

**Analyta**, *Ld. Wien. Ent. Mon.* vii. 405.

## ANALYTA ALBICILLALIS.

**albicillalis**, *Ld. Wien. Ent. Mon.* vii. pl. 14, f. 10.  
**Amboina.**

## Genus GONOCAUSTA.

**Gonocausta**, *Ld. Wien. Ent. Mon.* vii. 436.

## GONOCAUSTA ZEPHYRALIS.

**zephyralis**, *Ld. Wien. Ent. Mon.* vii. pl. 17, f. 5.  
**Amboina.**

## Genus CHLOAUGES.

**Chloauges**, *Ld. Wien. Ent. Mon.* vii. 405.

## CHLOAUGES SURALIS.

*suralis*, *Zll. Ld. Wien. Ent. Mon.* vii. pl. 14, f. 9.

Amboina.

## Genus BRADINA.

*Bradina*, *Ld. Wien. Ent. Mon.* vii. 424.

## BRADINA IMPRESSALIS.

*impressalis*, *Zll. Ld. Wien. Ent. Mon.* vii. 481, pl. 15, f. 16.

Amboina. New Guinea.

a. Mysol. From Mr. Wallace's collection.

## BRADINA SELECTALIS.

*selectalis*, *Ld. Wien. Ent. Mon.* vii. 481, pl. 16, f. 1.

Amboina.

## BRADINA METALEUCALIS.

Fœm. *Cupreo-fusca, cyaneo-purpureoque nitens; caput subtus pectusque alba; palpi breves, subascendentes; abdomen lanceolatum, gracillimum, alas posticas dimidio superans, segmentis albo marginatis; pedes aurato-albi; alæ anticae lineis duabus lunulaque nigridi, plaga alba; postice alba, cupreo-fusco marginatae.*

*Female.* Cupreous-brown, blue and purple-tinged. Head and palpi beneath and pectus silvery white. Palpi slightly ascending, little more than half the length of the breadth of the head. Abdomen lanceolate, very slender, extending for half its length beyond the hind wings; hind borders of the segments white. Legs white, gilded on the outer side. Fore wings narrow, lanceolate, acute, with two black lines and with an intermediate black lunule; first line slightly dentate; second slightly curved inward; a large white patch on the interior border, mostly between the lines. Hind wings white, slightly hyaline, with a broad border of the ground hue. Length of the body 6 lines; of the wings 12 lines.

Fejee Isles. In Mr. Saunders' collection.

## Genus ERILITA.

*Erilita*, *Ld. Wien. Ent. Mon.* vii. 426.

## ERILITA MODESTALIS.

*modestalis*, *Ld. Wien. Ent. Mon.* vii. pl. 16, f. 3.

**Amboina.** Ceram. Morty. New Guinea.

a. **Mysol.** From Mr. Wallace's collection.

## Genus SOZOA.

**Mas.** Corpus gracillimum. Proboscis mediocris. Palpi graciles, subdecumbentes, capitis latitudine paullo longiores; artculus 2us subfimbriatus; 3us lanceolatus, 2i dimidio longior. Antennæ graciles, setosæ. Abdomen alas posticas dimidio superans; fasciculus apicalis minimus. Pedes longi, graciles. Alæ antice longæ, angustæ, acute, margine exteriore perobliquo vix convexo.

**Male.** Body very slender. Proboscis of the usual length. Palpi slender, slightly decumbent, a little longer than the breadth of the head; second joint slightly fringed; third lanceolate, more than half the length of the second. Antennæ slender, setose; bristles long. Abdomen extending for half its length beyond the hind wings; apical tuft very small. Legs long, slender. Wings long, narrow. Fore wings acute; exterior border hardly convex, very oblique; third inferior vein at the base very near the second, which is connected with the first; fourth very remote from the third.

## SOZOA COSTALIS.

**Mas.** *Alba*; *palpi supra nigricantes*; *alæ maculis marginalibus fusca*; *antice vitta costali fusca*.

**Male.** White. Palpi blackish above. Wings with brown marginal spots; under side with blackish marginal points. Fore wings with a brown costal stripe. Length of the body 5? lines; of the wings 12½ lines.

a. **Bogota.** From Mr. Stevens' collection.

b, c. **Venezuela.** From Mr. Dyson's collection.

## Genus EIDAMA.

*Mas.* Corpus robustum. Proboscis mediocris. Palpi robusti, oblique ascendentibus, verticem superantes, pilis longis apice recurvis vestiti; articulus 3us parvus. Antennæ dense setulosæ. Thoracis tegulae longissimæ. Abdomen lanceolatum, alas posticas longe superans; fasciculus apicalis minimus. Pedes robusti, breviusculi; calcaria valida. Alæ antice vix acute.

*Male.* Body stout. Proboscis of the usual length. Labial palpi stout, straight, obliquely ascending, rising higher than the vertex, thickly clothed with long closely-applied hairs, which are recurved at the tips; third joint minute. Maxillary palpi erect, pilose, about half the length of the labial palpi. Antennæ densely setulosæ. Hind tegulae of the thorax very long, extending much beyond the base of the abdomen. Abdomen lanceolate, extending much beyond the hind wings; apical tuft very small. Legs stout, rather short; spurs stout, moderately long. Wings moderately broad. Fore wings hardly acute; exterior border almost straight, rather oblique; fourth inferior vein nearer to the third than is usual in this tribe.

## EIDAMA HYPICALIS.

*Mas.* Cupreo-fusca; thorax tegulis anticis ochraceis, plagiis duabus anticis argenteo-albis; abdominis segmenta ochraceo marginata; alæ macula magna alba semihyalina; anticæ lituris duabus basalibus ochraceis, gutta alba semihyalina.

*Male.* Cupreous-brown. Thorax with ochraceous fore tegulae, and with a silvery white patch on each side in front. Pectus silvery white. Abdomen with an ochraceous band on the hind border of each segment; under side ochraceous. Legs ochraceous; anterior knees brown; anterior tibiae with a brown band. Wings with a large white semihyaline spot in the disk. Fore wings with a white semihyaline dot near the inner side of the spot; two ochraceous marks near the base, one near the interior border, one in front of the spot, and one beyond the spot. Length of the body 5 lines; of the wings 12 lines.

Aru. In Mr. Saunders' collection.

## Genus ERILUSA.

*Mas et fœm.* Corpus sat robustum. Proboscis mediocris. Palpi arcuati, dense fimbriati, oblique ascendentes, verticem non superantes; articulus 3us brevissimus. Pedes robusti, longiusculi, femoribus anticis subfimbriatis, tibiis anticis subdilatatis. Alæ anticae longæ, subacute, margine exteriore convexo pero obliquo. *Mas.*—Antennæ setulosa. Abdomen alas posticas dimidio superans, basin versus subcompressum; fasciculus apicalis longus.

*Male and female.* Body moderately stout. Proboscis of the usual length. Palpi obliquely ascending, applied to the head, not rising higher than the vertex, thickly fringed on the under side; third joint extremely short. Legs stout, rather long; fore femora slightly fringed beneath; fore tibiæ slightly dilated; hind tibiæ with four long spurs. Wings long. Fore wings slightly acute; exterior border convex, very oblique; first, second and third inferior veins contiguous at the base; fourth moderately remote from the third. *Male.*—Antennæ setulose. Abdomen extending for full half its length beyond the hind wings, slightly compressed at one-third of the length; apical tuft elongate. Wings narrower than those of the female; fore wings more acute. *Female.*—Abdomen extending somewhat beyond the hind wings.

This group has much resemblance and perhaps much affinity to the *Dioptridae* and to the *Lithosiidae*.

## ERILUSA CROCEICEPS.

*Mas et fœm.* Nigricans; caput, palpi, thorax anticus, venter pedesque lœte ochracea; alæ anticæ striga cinerea latissima semihyalina; posticae cinereæ, semihyalinæ, margine late nigricante. *Fœm.*—Abdomen apice ochraceum.

*Male and female.* Blackish. Head, palpi, fore part of the thorax, abdomen beneath and legs bright ochraceous. Fore wings with a cinereous very broad and very iridescent semihyaline streak in the disk. Hind wings cinereous, iridescent, semihyaline, broadly blackish-bordered. *Female.*—Abdomen ochraceous at the tip. Length of the body 7—8 lines; of the wings 15—17 lines.

- a. Para. From Mr. Bates' collection.
- b. Ega. From Mr. Bates' collection.

## ERILUSA CYANEA.

**Mas.** *Læte cyanea; oculi ochraceo cincti; palpi ochracei, apice nigricantes; pectus ochraceum; alæ nigrae, cyaneo purpureoque nitentes; anticæ plaga alba magna obliqua fere hyalina; posticæ albidae, fere hyalinae, nigro latissime marginatae.*

**Female.** Bright metallic-blue. Head behind and about the eyes, palpi and pectus ochraceous. Palpi blackish towards the tips, not rising so high as the vertex; third joint extremely small. Antennæ minutely pubescent. Abdomen extending for nearly half its length beyond the hind wings; under side and legs silvery cinereous. Wings black, with blue and purple reflections. Fore wings slightly acute, with a large oblique white nearly hyaline patch in the disk. Hind wings whitish, nearly hyaline, very iridescent, very broadly bordered with black. Length of the body 8 lines; of the wings 17 lines.

a. Ega. From Mr. Bates' collection.

## ERILUSA DIOPTALIS.

**Fœm.** *Læte cyanea; caput postice ochraceum; oculi argenteo cincti; palpi argenteo lineati; thorax antice ochraceus; alæ nigrae, cyaneo purpureoque nitentes; anticæ strigis duabus albis latissimis, 1a brevissima; posticæ vitta alba lata fere hyalina.*

**Female.** Bright metallic-blue. Head silvery about the eyes; hind part and fore border of the thorax ochraceous. Palpi black, with a silvery line above, not rising so high as the vertex. Antennæ very minutely pubescent. Abdomen extending much beyond the hind wings; under side, pectus and legs silvery cinereous. Wings black, with azure and purple reflections. Fore wings slightly acute, with two oblique white nearly hyaline very broad streaks in the disk; first streak very short, intersected. Hind wings with a broad white nearly hyaline stripe in the disk. Length of the body 6 lines; of the wings 18 lines.

a. Ega. From Mr. Bates' collection.

## ERILUSA CERLIVITTA.

**Mas.** *Læte cyanea; caput postice ochraceum; oculi argenteo cincti; palpi nigri, argenteo lineati; thorax antice ochraceus; alæ nigræ, purpureo nitentes, vitta lata fere hyalina.*

**Male.** Bright metallic-blue. Head silvery about the eyes. Hind part and fore border of the thorax ochraceous. Palpi black, squamous, with a silvery line above; rising a little higher than the vertex; third joint conical, not more than one-sixth of the length of the second. Antennæ pubescent. Abdomen extending very much beyond the hind wings; under side, pectus and legs silvery cinereous; apical tuft dingy whitish. Wings black, with purple reflections, and with a broad nearly hyaline stripe, which has azure reflections, and is most complete in the hind wings. Length of the body 6 lines; of the wings 16 lines.

a. Para. From Mr. Bates' collection.

## ERILUSA DIOPTOIDES.

**Fœm.** *Purpurea; palpi breves, basi albidi; antennæ pubescentes; abdomen cinereo-cyanum; alæ amplæ, cyaneo et purpureo micantes; anticæ striga basali cinerea semihyalina, maculis duabus strigaque exteriore lata albis semihyalinis; postice vittis cinereis semihyalinis.*

**Female.** Metallic-purple. Body beneath and legs silvery white. Palpi whitish towards the base, not rising so high as the vertex. Antennæ minutely pubescent. Abdomen cinereous-blue, extending somewhat beyond the hind wings. Wings ample, with bright blue and purple reflections, the former hue on the semihyaline parts. Fore wings acute, with a cinereous semihyaline streak proceeding from the base, with two small white semihyaline spots, and with an exterior broad oblique white semihyaline streak; first spot in front of the base of the fourth inferior vein; second very near the first, and between the third and fourth inferior veins. Hind wings with cinereous semihyaline stripes between the veins. Length of the body 8—8½ lines; of the wings 18—19 lines.

a. Para. Presented by R. Graham, Esq.

## Genus NAGARA.

*Mas et fæm.* Corpus crassum. Oculi magni. Proboscis mediocris. Palpi porrecti, capitis latitudine breviores; articulus 2us latiusculus; 3us linearis, gracillimus, 2i diuidio brevior. Antennæ longæ, graciles, pubescentes. Abdomen lanceolatum, alas posticas paullo superans; fasciculus apicalis parvus, subcompressus. Alæ anticae longæ, angustaæ, vix acutæ, areola longissima, margine exteriore subconvexo perobliquo.

*Male and female.* Body very stout. Eyes large, prominent. Proboscis of the usual length. Palpi porrect, shorter than the breadth of the head; second joint rather broad; third linear, very slender, less than half the length of the second. Antennæ long, slender, minutely pubescent. Abdomen lanceolate, extending a little beyond the hind wings; apical tuft of the male small, slightly compressed. Legs long, slender; spurs long and slender. Fore wings long, narrow, hardly acute; exterior border slightly convex, extremely oblique; discal areolet very long and narrow; first, second and third inferior veins nearly contiguous at the base; fourth moderately remote from the third; subanal vein converging towards the fourth inferior vein; anal vein parallel to the subanal.

## NAGARA PHRYGANEALIS.

*Mas et fæm.* *Glauco-fusca; abdominis latera basi cinereo pilosa; alæ anticae lineis nonnullis obscurioribus angulosis subduplicatis cinereo aut ochraceo submarginatis; posticæ fere hyalinae, fusco late marginatae.*

*Male and female.* Glaucous-brown. Body cinereous beneath. Abdomen clothed with cinereous hairs on each side at the base. Fore wings with several oblique zigzag partly double darker brown lines, which are here and there bordered with cinereous or with dull ochraceous; under side with a broad cinereous iridescent slightly hyaline streak in the disk. Hind wings iridescent, nearly hyaline, with a broad brown border. Length of the body  $7\frac{1}{2}$ —8 lines; of the wings 19—20 lines.

- a. Jamaica. From Mr. Gosse's collection.
- b. Para. From Mr. Bates' collection.
- c. West Coast of America. Presented by Capt. Kellett and Lieut. Wood.

## NAGARA ? STEIRIALIS.

**Fœm.** *Cinerea ; caput et thorax anticus ferruginea ; palpi vix ascendentæ, nigro bifasciati, articulo 3o 2i dimidio longiore ; thoracis tegulæ anticæ nigricante marginatæ ; alæ anticæ nigro conspersæ, glauco suffusæ, apud costam subferruginea, lineis duabus basalibus angulosis duplicatis, linea vix angulosa, linea exteriore angulosa duplicata lineaque dentata adhuc exteriore nigricantibus, striga atra, reniformi magna cinereo pallido fuscoque marginata, fascia subochracea, linea submarginali albida, lunulis marginalibus nigricantibus albido marginatis ; posticæ cinereæ, fere hyalinæ, fusco late marginatæ.*

**Female.** Cinereous. Head above and fore part of the thorax ferruginous. Front prominent. Palpi very slightly ascending ; second joint with two black bands ; third rather more slender than the second, and much more than half its length. Fore tegulæ of the thorax blackish-bordered. Legs mostly blackish above ; tips of the tarsal joints pale cinereous. Fore wings minutely black-speckled, glaucous-tinged, broadly and irregularly tinged with ferruginous along the costa ; two double zigzag blackish lines near the base ; a long narrow transverse deep black streak ; a blackish not oblique hardly zigzag line near the inner side of the reniform mark ; the latter is large, slightly excavated on the outer side, bordered with pale cinereous and with brown ; an exterior oblique zigzag double blackish line ; a more exterior acutely dentate blackish line, which borders and intersects a dull ochraceous band ; a whitish irregular submarginal line ; marginal lunules blackish, whitish-bordered ; under side with a broad iridescent semihyaline streak. Hind wings cinereous, very iridescent, nearly hyaline, broadly brown-bordered. Length of the body 6 lines ; of the wings 17 lines.

a. Para. Presented by J. P. G. Smith, Esq.

## Genus CARBACA.

**Mas.** Corpus lœve, robustum. Proboscis mediocris. Palpi lœves, graciles, erecti, verticem non attingentes ; articulus 3us lan- ceolatus, 2i dimidio non longior. Antennæ graciles, setulosæ. Ab- domen alas posticas longe superans ; fasciculus apicalis parvus. Pedes lœves, breviusculi, sat validi ; calcaria longa, gracilia. Alæ anticæ latæ, vix acutæ, margine exteriore subconvexo subobliquo.

*Male.* Body smooth, stout. Proboscis of the usual length. Palpi smooth, slender, erect, applied to the head, not rising so high as the vertex; third joint lanceolate, about half the length of the second. Antennæ slender, minutely setulose. Abdomen long, extending much beyond the hind wings; apical tuft small. Legs smooth, rather short and stout; spurs long, slender. Wings broad. Fore wings hardly acute; exterior border slightly convex and oblique; fourth inferior vein unusually near to the third; the latter still nearer to the second.

#### CARBACA DECORALIS.

*Mas.* Nivea; abdomen æneo-cinereum; alæ anticae lineis tribus obliquis, 2a 3aque angulatis, strigis quatuor fuscis, linea brevi submarginali maculaque marginali nigricantibus, linea marginali nigra, macula subapicali rosea; posticae semihyalinae, linea marginali fusca brevi.

*Male.* Pure white. Abdomen æneous-cinereous. Tarsi and anterior tibiae with black bands. Fore wings with three brown lines extending obliquely outward from the costa; second and third lines angular; third including in its angle four brown streaks, two of which extend to a blackish short submarginal line; the latter slightly divided from a blackish marginal spot, which interrupts an ochraceous marginal line; this line is accompanied by a bright rosy red subapical spot. Hind wings iridescent, semihyaline, with a brown line which extends along one-third of the length of the exterior border from the tip. Length of the body 8 lines; of the wings 17 lines.

a. St. Domingo. - From Mr. Tweedie's collection.

Fam. BOTYDÆ, *C. L. H.* xviii. 545.

Genus ASTURA, *C. L. H.* xviii. 547.

#### ASTURA INSOLITALIS.

insolitalis, *Wlk. Trans. Ent. Soc. Lond.* 3rd Ser. i. 125.

Borneo.

## ASTURA GUTTATALIS.

**Mas et fœm.** *Ochracea aut pallide flava ; palpi robusti, arcuati, ascendentes, articulo 2o apice nigro, 3o conico ; thorax nigro sex guttatus ; abdomen guttis nigris trilineatum : alæ gutta discali nigra lineisque tribus e guttis nigris variis ; antice lineis duabus nigris basalibus guttularibus, linea 4a valde flexa apud costam subintegra. Mas.—Abdominis fasciculus apicalis niger. Fœm.—Alæ antice latiores.*

**Male and female.** Ochraceous, in some cases pale yellow. Palpi stout, curved, applied to the head, not rising higher than the vertex; second joint with a broad black band at the tip; third conical, minute. Thorax with six black dots forming two transverse lines. Abdomen extending much beyond the hind wings, with three stripes of black dots. Legs stout; fore femora cupreous; fore tibiae cupreous towards the tips; fore tarsi with cupreous bands; middle femora with a cupreous band; middle knees cupreous. Wings elongate, broad, with three irregular lines composed of various-shaped black dots; a black dot in the disk. Fore wings acute, with two lines of black dots near the base; fourth line much bent, nearly entire towards the costa; exterior border convex, rather oblique. *Male.*—Abdomen with a black apical tuft. Fore wings narrower than those of the female. Length of the body 6—9 lines; of the wings 12—18 lines.

**Mysol.** Batchian. Aru.

**a.** Ceram. From Mr. Wallace's collection.

## ASTURA SEMIFASCIALIS.

**Fœm.** *Læte luteo-flava ; palpi latiusculi, oblique ascendentes, nigro late fasciati, verticem non superantes ; thorax nigro bi-guttatus ; pedes argenteo-albi, antici supra nigricantes ; alæ linea submarginali subundulata e punctis nigricantibus, fimbria alba ; antice vix acutæ, punctis quatuor basalibus nigricantibus, fascia fusca latissima dentata subexcavata ; postice lineis duabus undulatis e punctis nigricantibus.*

**Female.** Bright luteous-yellow. Body beneath and legs silvery white. Palpi smooth, rather broad, obliquely ascending, not rising so high as the vertex, with a broad black band on the outer side. Antennæ slender, rather long. Thorax with a black dot on each

side in front. Legs smooth, slender; fore legs mostly blackish above. Wings with a slightly undulating submarginal line of blackish points; fringe white, except at the base. Fore wings hardly acute, with four blackish points near the base; a very broad brown band which has darker brown dentate borders and is slightly and irregularly excavated at each end. Hind wings with two undulating lines of blackish points. Length of the body 4 lines; of the wings 10 lines.

a. Moreton Bay. From Mr. Diggles' collection.

**Genus BOTYS, C. L. H. xviii. 551.**

**BOTYS REPANDALIS, C. L. H. xviii. 553.**

a—d. Ratisbon. From Dr. H.-Schæffer's collection.

**BOTYS SUBSEQUALIS.**

subsequalis, *H.-Sch. Schm.* vi. 141, f. 133.

Amasia.

**BOTYS BITERNALIS.**

biternalis, *Mann, Wien. Ent. Mon.* vi. 385, pl. 3, f. 7.

Brussa.

**BOTYS LUTOSALIS.**

lutosalis, *Mann, Wien. Ent. Mon.* vi. 386, pl. 3, f. 6.

Brussa.

**BOTYS TENUIALIS.**

tenuialis, *Mann, Wien. Ent. Mon.* vi. 387, pl. 3, f. 5.

Brussa.

**BOTYS SAXICOLALIS.**

saxicolalis, *Mann, Wien. Ent. Mon.* vi. 387, pl. 3, f. 8.

Brussa.

**BOTYS CRUDALIS.**

crudalis, *Ld. Wien. Ent. Mon.* vii. 468, pl. 10, f. 5.

Syria.

**BOTYS RUPICAPRALIS.**

*rpicapralis*, *Ld. Zool. Bot. Ver.* 1855, 218, pl. 3, f. 12.  
Java.

**BOTYS RUFICOSTALIS.**

*ficostalis*, *Ld. Zool. Bot. Ver.* 1855, 217, pl. 3, f. 4.  
Java. Amboina.

**BOTYS OBUMBRATALIS.**

*umbratalis*, *Zgl. Ld. Wien. Ent. Mon.* vii. 467, pl. 9, f. 17.  
North America.

**BOTYS FODINALIS.**

*finalis*, *Ld. Wien. Ent. Mon.* vii. 461, pl. 8, f. 9.  
California.

**BOTYS OBSCURALIS.**

*obscuralis*, *Zgl. Ld. Wien. Ent. Mon.* vii. 472, pl. 11, f. 9.  
North America.

**BOTYS TENERALIS.**

*teneralis*, *Ld. Wien. Ent. Mon.* vii. 462, pl. 8, f. 10.  
North America.

**BOTYS PARTIALIS.**

*partialis*, *Ld. Wien. Ent. Mon.* vii. 465, pl. 9, f. 8.  
North America.

**BOTYS PERTEXTALIS.**

*ertextalis*, *Ld. Wien. Ent. Mon.* vii. 466, pl. 9, f. 10.  
North America.

**BOTYS FUTILALIS.**

*futilalis*, *Ld. Wien. Ent. Mon.* vii. 467, pl. 10, f. 1.  
Tennessee.

**BOTYS INCONCINNALIS.**

*inconcinialis*, *Ld. Wien. Ent. Mon.* vii. 467, pl. 10, f. 2.  
North America.

**BOTYS OBLUNALIS.**

*oblunalis*, *Zgl. Ld. Wien. Ent. Mon.* vii. 469.  
North America.

**BOTYS INTRICATALIS.**

*intricatalis*, *Zgl. Ld. Wien. Ent. Mon.* vii. 469, pl. 10, f. 9.  
North America.

**BOTYS PRINCIPALIS.**

*principalis*, *Ld. Wien. Ent. Mon.* vii. 471, pl. 10, f. 17.  
North America.

**BOTYS FLUCTUOSALIS.**

*fluctuosalis*, *Ld. Wien. Ent. Mon.* vii. 473, pl. 11, f. 7—*Dialis*  
*C. L. H.* xviii. 675.  
North America.

**BOTYS SPOLIATALIS.**

*spoliatalis*, *Ld. Wien. Ent. Mon.* vii. 473, pl. 11, f. 8.  
North America.

**BOTYS SINGULARIS.**

*singularis*, *Ld. Wien. Ent. Mon.* vii. 475, pl. 12, f. 1.  
North America.

**BOTYS HUMILALIS.**

*humilalis*, *Ld. Wien. Ent. Mon.* vii. 371 ; 464, pl. 9, f. 2.  
North America.

**BOTYS EGENALIS.**

*egenalis*, *Ld. Wien. Ent. Mon.* vii. 468, pl. 10, f. 7.  
North America. Venezuela.

**BOTYS MANCALIS.**

*mancalis*, *Ld. Wien. Ent. Mon.* vii. 464, pl. 9, f. 4.  
North America. Brazil.

## BOTYS TOGALIS.

*togalis*, *Ld. Wien. Ent. Mon.* vii. 463, pl. 8, f. 18.  
Cuba.

## BOTYS LAUTALIS.

*lautalis*, *Ld. Wien. Ent. Mon.* vii. 462, pl. 8, f. 13.  
Columbia.

## BOTYS INSIPIDALIS.

*insipidalis*, *Ld. Wien. Ent. Mon.* vii. 463, pl. 8, f. 15.  
Columbia.

## BOTYS SCITALIS.

*scitalis*, *Ld. Wien. Ent. Mon.* vii. 470, pl. 10, f. 11.  
Columbia.

## BOTYS ASSUTALIS.

*assutalis*, *Ld. Wien. Ent. Mon.* vii. 462, pl. 8, f. 14.  
Venezuela.

## BOTYS TINCTALIS.

*tinctalis*, *Ld. Wien. Ent. Mon.* vii. 465, pl. 9, f. 5.  
Venezuela.

## BOTYS PLEBEIALIS.

*plebeialis*, *Ld. Wien. Ent. Mon.* vii. 469, pl. 10, f. 8.  
Venezuela.

Var. ? Mas et fœm. *Cinereo-fusca*; *palpi porrecti, breves, lati, obtusi, articulo 3o minimo; aloe lineis tribus angulosis punctisque marginalibus nigricantibus; anticæ gutta subcostali nigricante.*

*Male and female.* Cinereous-brown, shining, pale cinereous beneath. Head beneath and pectus silvery white. Palpi porrect, broad, obtuse, much shorter than the breadth of the head; third joint extremely small. Antennæ very slender. Legs smooth, slender. Wings moderately broad, with three blackish zigzag lines, which are most distinct on the fore wings; marginal points blackish, rather large. Fore wings acute, with a blackish subcostal dot on

the outer side of the first line; exterior border slightly convex, very oblique. Length of the body 4—5 lines; of the wings 10—12 lines.

a—u. Limas, Honduras. Presented by H. T. Stainton, Esq.

BOTYS SERRATILINEALIS.

*serratilinealis*, *Ld. Wien. Ent. Mon.* vii. 472, pl. 11, f. 2.  
Venezuela.

BOTYS LATICALIS.

*laticalis*, *Ld. Wien. Ent. Mon.* vii. 472, pl. 11, f. 4.  
Venezuela.

BOTYS INTEGRALIS.

*integralis*, *Ld. Wien. Ent. Mon.* vii. 470, pl. 10, f. 12.  
Venezuela.

BOTYS SANGUIFLUALIS.

*sanguiflualis*, *Ld. Wien. Ent. Mon.* vii. 470, pl. 11, f. 1.  
Venezuela.

BOTYS MYOPICALIS.

*myopicalis*, *Ld. Wien. Ent. Mon.* vii. 462, pl. 8, f. 11.  
Brazil.

BOTYS ARTIFICALIS.

*artificalis*, *Ld. Wien. Ent. Mon.* vii. 463, pl. 8, f. 16.  
Brazil.

BOTYS PRUINALIS.

*pruinalis*, *Ld. Wien. Ent. Mon.* vii. 469, pl. 9, f. 6.  
Brazil.

BOTYS SANIOSALIS.

*saniosalis*, *Ld. Wien. Ent. Mon.* vii. 466, pl. 9, f. 11.  
Brazil.

BOTYS OTIOSALIS.

*otiosalis*, *Ld. Wien. Ent. Mon.* vii. 470, pl. 10, f. 10.  
Brazil.

## BOTYS CŒNULENTALIS.

*cœnulentalis*, *Ld. Wien. Ent. Mon.* vii. 472, pl. 11, f. 6.  
Brazil.

## BOTYS DELICATALIS.

*delicatalis*, *Ld. Wien. Ent. Mon.* vii. 473, pl. 11, f. 10.  
Brazil.

## BOTYS? GEMMIFERALIS.

*gemmaferalis*, *Zll. Lep. Caffr.* 35.  
Natal.

## BOTYS? BINALIS.

*binalis*, *Zll. Lep. Caffr.* 36.  
Caffraria.

## BOTYS PATAGIALIS.

*patagialis*, *Zll. Lep. Caffr.* 37.  
Caffraria.

## BOTYS EGROTALIS.

*egrotalis*, *Zll. Lep. Caffr.* 38.  
Caffraria.

## BOTYS MUTUALIS.

*mutualis*, *Zll. Lep. Caffr.* 40.  
Caffraria.

## BOTYS? ADSOCIALIS.

*adsocialis*, *Zll. Lep. Caffr.* 41.  
Caffraria.

## BOTYS? INFUSCALIS.

*infuscalis*, *Zll. Lep. Caffr.* 41.  
Natal.

## BOTYS LACUNALIS.

*lacunalis*, *Zll. Lep. Caffr.* 42.  
Caffraria.

**BOTYS ? MUSCERDALIS.***muscerdalis, Zll. Lep. Caffr.* 43.

Caffraria.

**BOTYS ? QUATERNALIS.***quaternalis, Zll. Lep. Caffr.* 44.

Natal.

**BOTYS ? TEMERATALIS.***temeratalis, Zll. Lep. Caffr.* 45.

Caffraria.

**BOTYS ? PLUMBATALIS.***plumbatalis, Zll. Lep. Caffr.* 47—*Ephelis?* *plumbatalis.*

Caffraria.

**BOTYS FRUSTALIS.***frustalis, Zll. Lep. Caffr.* 48.

Natal.

**BOTYS ZAIDE.***Zaide, Stoll. Cram. Pap. Exot.* v. pl. 36, f. 6—*cruoralis, Zll. Lep. Caffr.* 49—*Zaide, Ld. Wien. Ent. Mon.* vii. 461, pl. 8, f. 8.

Caffraria.

**BOTYS EXPEDITALIS.***expeditalis, Ld. Wien. Ent. Mon.* vii. 466, pl. 9, f. 15.

Natal.

**BOTYS JUCUNDALIS.***jucundalis, Ld. Wien. Ent. Mon.* vii. 463, pl. 8, f. 17.

Hindostan.

**BOTYS MACCALIS.***maccalis, Ld. Wien. Ent. Mon.* vii. 466, pl. 9, f. 14.

Silhet.

**BOTYS ÆQUALIS.***æqualis, Ld. Wien. Ent. Mon.* vii. 468, pl. 10, f. 3.

Hindostan.

## BOTYS DIVISALIS.

*divisalis*, *Ld. Wien. Ent. Mon.* vii. 468, pl. 10, f. 4.

Hindostan.

## BOTYS PAUPELLALIS.

*pauppellalis*, *Ld. Wien. Ent. Mon.* vii. 469, pl. 10, f. 6.

Hindostan.

## BOTYS AUREOLALIS.

*aureolalis*, *Ld. Wien. Ent. Mon.* vii. 473.

Himalaya.

## BOTYS INANITALIS.

*inanitalis*, *Ld. Wien. Ent. Mon.* vii. 464, pl. 9, f. 3.

Hindostan. Amboina.

## BOTYS VITELLINALIS.

*vitellinalis*, *Klr. Hug. Kasch.* 492—*extinctalis*, *Ld. Wien. Ent. Mon.* vii. 467, pl. 9, f. 18.

Caschmir.

## BOTYS FATUALIS.

*faturalis*, *Ld. Wien. Ent. Mon.* vii. 475, pl. 11, f. 15.

Java.

## BOTYS TRANQUILLALIS.

*tranquillalis*, *Ld. Wien. Ent. Mon.* vii. 466, pl. 9, f. 16.

Ternate.

## BOTYS CONSIMILALIS.

*consimilalis*, *Ld. Wien. Ent. Mon.* vii. 471.

Ternate. Amboina.

## BOTYS GLEBALIS.

*glebalis*, *Ld. Wien. Ent. Mon.* vii. 464, pl. 9, f. 1.

Amboina.

## BOTYS NEREIDALIS.

*nereidalis*, *Ld. Wien. Ent. Mon.* vii. 465, pl. 9, f. 7.

Amboina.

**BOTYS USTALIS.**

*ustalis*, *Ld. Wien. Ent. Mon.* vii. 471, pl. 10, f. 14.  
Amboina.

**BOTYS FAUSTALIS.**

*faustalis*, *Ld. Wien. Ent. Mon.* vii. 471, pl. 10, f. 15.  
Amboina.

**BOTYS ADIPALIS.**

*adipalis*, *Zll. Ld. Wien. Ent. Mon.* vii. 475, pl. 11, f. 16.  
Amboina. Mysol.

**BOTYS DISSAPATALIS.**

*dissapatalis*, *Ld. Wien. Ent. Mon.* vii. 474, pl. 11, f. 13.  
Amboina.

**BOTYS? GRATALIS.**

*gratalis*, *Ld. Wien. Ent. Mon.* vii. 475, pl. 11, f. 18.  
Amboina.

**BOTYS AFFINITALIS.**

*affinitalis*, *Ld. Wien. Ent. Mon.* vii. 475, pl. 12, f. 4.  
Australia.

**BOTYS RECTIFERALIS.**

*rectiferalis*, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 126.  
New Caledonia.

**BOTYS EXPANSALIS.**

*expansalis*, *Ld. Wien. Ent. Mon.* vii. 474, pl. 11, f. 12.

**BOTYS ADDITALIS.**

*additalis*, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 125.  
Brazil.

**BOTYS INEFFECTALIS.**

*ineffectalis*, *Wlk. Trans. Ent. Soc. Lond. 3rd Ser.* i. 126.  
Amazon Region.

## BOTYS RUPTALIS.

**Mas.** *Ochraceo-cinerea ; palpi breves, graciles, oblique ascondentes, articulo 3o minimo ; ale elongatae, lineis tribus fuscis obliquis, 1a postice bene determinata, 3a subundulata, punctis margin-alibus fuscis diffusis, fimbria albida ; anticae apud costam fusescentes, linea media fusca obliqua vix arcuata.*

**Male.** Ochraceous-cinereous, slender. Palpi slender, obliquely ascending, hardly longer than half the breadth of the head; third joint very minute. Antennæ stout, pubescent. Legs slender. Wings elongate, with three oblique brown lines; first line antemedial, incomplete in the fore wings, straight and strongly marked in the hind wings; second and third near the exterior border; third slightly undulating, less determinate than the second; marginal points brown, diffuse; fringe whitish. Fore wings acute, diffusedly brownish along the costa, with a brown oblique middle line, which is hardly curved outward; exterior border very slightly convex, very oblique. Length of the body 3 lines; of the wings 8 lines.

a. United States. Presented by E. Doubleday, Esq.

## BOTYS CINCTIPEDALIS.

**Mas.** *Flavescente-alba ; caput et thorax antice ochracea ; capit is latera antica fusca ; abdomen guttis ochraceis trivittatum ; pedes antici fusco fasciati ; ale latæ, lineis tribus ochraceis angulosis ; anticae subacutæ, linea basali lineaque submarginali angulosis punctoque ochraceis.*

**Male.** Yellowish white, white beneath. Head and thorax ochraceous in front, the former brown on each side in front. Palpi brown, porrect, white beneath, much shorter than the breadth of the head; third joint extremely short. Antennæ pubescent. Abdomen extending much beyond the hind wings, with three rows of ochraceous dots; apical tuft small, whitish. Legs white, fore femora brown on the outer side; fore tibiæ brown for half the length from the tips; joints of the fore tarsi with brown tips. Wings broad, with three ochraceous lines; second and third lines zigzag. Fore wings slightly acute; first line slightly zigzag; two additional zigzag ochraceous lines; one between the first line and the base, the other submarginal; an ochraceous point in the disk between the first and second lines; exterior border convex, slightly oblique. Length of the body 6 lines; of the wings 15 lines.

a. United States. Presented by E. Doubleday Esq.

## BOTYS OBLITERALIS.

*Mas. Flavescens; oculi albo cincti; palpi ochracei, rostriformes, articulo 3o lanceolato 2i dimidio breviore; abdomen albidum, alas posticas paullo superans; aiae anticae late, lineis duabus strigaque subobscurioribus vix conspicuis, linea 2a valde flexa; postica albida, lineis duabus arcuatis cinereis, la postmedia, 2a submarginali.*

*Male.* Yellowish, slender. Head white about the eyes. Body beneath and legs silvery white. Palpi ochraceous, rostriform, white beneath at the base, as long as the breadth of the head; third joint lanceolate, less than half the length of the second. Antennæ smooth. Abdomen whitish, extending a little beyond the hind wings. Wings broad. Fore wings acute, with the transverse streak in the disk and the two usual lines a little darker than the ground hue, very indistinct, the second much bent in the middle. Hind wings whitish, with two cinereous curved lines, the first postmedial, the second submarginal. Length of the body 5½ lines; of the wings 13 lines.

*a.* North America. From Mr. Carter's collection.

## BOTYS STRICTALIS.

*Mas. Aeneo-cinerea; palpi fusi, porrecti, graciles, capitis latitudine breviores, articulo 3o brevissimo; abdomen gracillimum, alas posticas dimidio superans; aiae lineis duabus subangulosis vix obliquis lineaque marginali fuscis; anticae linea 2a valde flexa, vitta costali abbreviata annulisque duobus fuscis.*

*Male.* Cinereous, slender, tinged with æneous. Palpi brown, porrect, slender, squamous, white beneath, shorter than the breadth of the head; third joint very small. Antennæ slender, pubescent. Abdomen very slender, extending for half its length beyond the hind wings; apical tuft elongate. Wings with two brown hardly oblique very slightly zigzag lines; first line antemedial, second postmedial; marginal line brown. Fore wings acute; costa brown for more than half the length from the base; second line approaching the interior angle, then suddenly bent inward and forming a second angle near the hind side of the narrow brown ringlet, which represents the reniform mark; orbicular mark formed by a nearly round brown ringlet. Length of the body 5 lines; of the wings 11 lines.

*a, b.* North America. From Mr. Carter's collection.

## BOTYS APERTALIS.

**Mas et fœm.** *Aurato-flava; palpi ochracei, porrecti, capitit latitudine breviores, articulo 3o minimo; thorax antice ochraceus; abdomen alas posticas paullo superans; ale linea postmedia ochracea obliqua; antice linea postmedia arcuata, linea antemedia ochracea subarcuata non obliqua, punto vittaque costali ochraceis; posticæ linea postmedia recta.*

**Male and female.** Gilded yellow, paler beneath. Body beneath and legs silvery white. Palpi ochraceous, rostriform, white beneath, shorter than the breadth of the head; third joint very minute. Antennæ of the male microscopically pubescent. Thorax ochraceous in front. Abdomen extending a little beyond the hind wings; apical tuft very small. Legs slender. Wings with a post-medial oblique ochraceous line, which is curved outward in the fore wings and is straight in the hind wings. Fore wings acute, with an antemedial slightly outward-curved not oblique ochraceous line; an ochraceous point in the disk between the lines; costa ochraceous from the base to the second line. Length of the body 4 lines; of the wings 11 lines.

*a, b.* North America. From Mr. Carter's collection.

## BOTYS? OAJACALIS.

**Mas.** *Ochracea, robusta; palpi cervini, erexit, articulo 2o fimbriato, 3o conico; pedes cupreo-fusci, tibiis posterioribus tarsisque albis; ale fuscæ, longæ, latiusculæ, æneo-purpureo-que nitentes, plaga alba magna semihyalina nigro marginata antice excavata, fimbria albida; antice macula basali alba semihyalina nigro marginata.*

**Male.** Ochraceous, stout. Body beneath and legs white. Palpi fawn-colour, erect, not rising so high as the vertex; second joint fringed; third conical, about one-fourth of the length of the second. Antennæ pubescent. Abdomen lanceolate, extending much beyond the hind wings; apical tuft of moderate size. Legs cupreous-brown; tarsi and posterior tibiæ white. Wings long, rather broad, brown, with æneous and purple reflections; a large white semihyaline black-bordered patch in the disk, much excavated in front; fringe whitish. Fore wings acute; a white semihyaline black-bordered spot in the disk near the base; costa and interior

border ochraceous; exterior border straight, very oblique. Length of the body 9 lines; of the wings 20 lines.

a. Oajaca, Mexico. From M. Sallé's collection.

#### BOTYS CONNEXALIS.

Fœm. *Pallide ochracea; palpi oblique ascendentibus, verticem non superantes; abdomen alas posticas sat superans; alæ flavæ, subhyalinæ, lineis duabus indeterminatis lineaque marginali nigricantibus, spatio apicali æneo-fusco; anticæ puncto costali guttaque subcostali nigris, linea postmedia arcuata nigricante, costa ochracea striga basali fusca.*

Female. Pale ochraceous, rather slender. Palpi smooth, obliquely ascending, not rising higher than the vertex. Abdomen extending rather beyond the hind wings. Legs smooth, slender. Wings yellow, slightly hyaline, with two incomplete and irregular blackish lines; apical space æneous-brown; marginal line blackish. Fore wings acute, with a black subcostal point on the outer side of the first line and with a black subcostal dot on the outer side of the second line; an outward-curved blackish line near the inner side of the dark apical space; costa ochraceous, with a brown basal streak; exterior border convex, moderately oblique. Length of the body 5 lines; wings 10 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### BOTYS SUBEQUALIS.

Fœm. *Cervina, robusta; palpi subarcuati, oblique ascendentibus, articulo 3o longi-conico; abdomen alas posticas paulo superans; alæ latiusculæ, subpurpurascente æneo-cervinae, lineis tribus fuscescentibus angulosis indistinctis; anticæ lituris quinque albis fusco marginatis; posticæ litura una alba.*

Female. Fawn-colour, stout. Body white beneath. Palpi squamous, slightly curved, obliquely ascending, not rising higher than the vertex, white beneath towards the base; third joint elongate-conical, less than one-fourth of the length of the second. Abdomen extending a little beyond the hind wings. Legs slender, silvery white. Wings rather broad, æneous fawn-colour, slightly purple-tinged, with two brownish indistinct irregular zigzag lines. Fore wings acute, with five small white brown-bordered marks in

the disk; third mark behind the second; fifth behind the fourth, with which it is slightly connected; exterior border slightly convex, moderately oblique. Hind wings with a white mark in the disk between the lines. Length of the body 5 lines; of the wings 13 lines.

Bogota. In Mr. Birchall's collection.

#### BOTYS AQUILLALIS.

**Mas.** *Ferrugineo-rufa; palpi lati, subarcuati, applicati, articulo 3o conico; abdomen alas posticas longe superans, fasciculo apicali nigro elongato; alae longae, angustae, lineis duabus nigricantibus subangulosis, fimbria alba basi nigricante; antice linea 2a valde flexa.*

**Male.** Ferruginous-red, dark reddish cinereous beneath. Palpi broad, squamous, slightly curved, white beneath towards the base, applied to the head, not rising higher than the vertex; third joint conical, acute, less than one-fourth of the length of the second. Antennæ long, slender, minutely pubescent. Abdomen extending much beyond the hind wings; apical tuft black, elongate. Legs slender; anterior legs white beneath. Wings long, narrow, with two blackish slightly zigzag lines; fringe white, blackish at the base. Fore wings acute; second line very deeply bent; exterior border almost straight, very oblique. Length of the body 5 lines; of the wings 12 lines.

The narrow fore wings of this species distinguish it from *B. adhæsalis* and from *B. Atopalis*. *B. Damasalis* has less lanceolate fore wings.

Bogota. In Mr. Birchall's collection.

#### BOTYS TORTIPENNIS.

**Mas.** *Pallide cervina, robusta; palpi porrecti, robusti, caput per-paullo superantes, articulo 3o brevissimo; antennæ basi robustæ, cornutæ; abdomen alas posticas longe superans, fasciculo apicali nigro; alæ fere hyalinae, lineis duabus fuscis, 1a angulosa, 2a marginali abbreviata; antice basi costaque pallide cervinis, lineis duabus basalibus lineaque postmedia undulata fuscis; postice margine interiore dilatato pilisque floccosis cervinis dense fasciculato.*

**Male.** Pale fawn-colour, stout. Body beneath and legs white. Palpi porrect, stout, squamous, extending very little beyond the

head; third joint extremely short. Antennæ pubescent; first and second joints stout, each with a short horn. Abdomen extending much beyond the hind wings; apical tuft black. Legs slender, with fawn-coloured bands on the upper side. Wings iridescent, nearly hyaline, with two brown lines; first line oblique, zigzag, across the middle; second marginal, incomplete. Fore wings pale fawn-colour at the base and along the costa, with two brown lines at the base, and with an undulating brown line at three-fourths of the length. Hind wings with the interior border dilated and thickly tufted with floccose fawn-coloured hairs. Length of the body 7 lines; of the wings 16 lines.

Nearly allied to *B. Lybialis*.

Bogota. In Mr. Birchall's collection.

#### BOTYS SELECTALIS.

Fœm. *Alba; capitis latera antica flava; palpi flavi, porrecti breves, articulo 3o brevissimo; thorax flavo maculatus; abdominis segmenta flavo subfasciata; alæ semihyalinæ, latuscula puncto fusco, fascia submarginali flava undulata, fascia marginali alba flava fuscoque marginata; antica vix acuta, gutta basalibus maculisque quinque flavis; posticae fascia flave abbreviata.*

*Female.* White, silvery white beneath. Head yellow on each side of the front. Palpi porrect, yellow on the outer side, much shorter than the breadth of the head; third joint extremely short. Thorax with three yellow spots on each side and with one in the disk. Abdomen extending much beyond the hind wings, with a more or less complete yellow band on the fore border of each segment. Legs silvery white; fore femora towards the tips and fore tibiæ towards the base and anterior tarsi gilded yellow. Wings semihyaline, rather broad, with a brown point in the disk and with a narrow white marginal band, which is bordered with yellow on the outer side and partly bordered with brown on the inner side; a yellow submarginal band, which is most undulating in the hind wings. Fore wings hardly acute, with several yellow dots near the base and with five yellow spots between the dots and the submarginal band; exterior border convex, slightly oblique. Hind wings with a much abbreviated antemedial yellow band. Length of the body 5 lines; of the wings 12 lines.

Bogota. In Mr. Birchall's collection.

## BOTYS HUMERALIS.

**Fœm.** *Flava, robusta; capitis latera antica fusca; palpi fusi, porrecti, breves, lati, subtus albi; thorax strigis duabus anticis rufescente-fuscis; abdomen alas posticas sat superans; alæ lineis tribus ochraceis angulosis; antice basi guttaque ochraceis.*

**Female.** Yellow, stout. Body white beneath. Head brown on each side in front. Palpi brown, broad, short, porrect, white beneath. Thorax with a reddish brown streak on each side in front. Abdomen extending rather beyond the hind wings. Legs moderately stout. Wings with three ochraceous zigzag lines. Fore wings acute, ochraceous at the base and along the adjoining part of the costa; an ochraceous dot in the disk between the first and second lines; exterior border convex, moderately oblique. Length of the body 7 lines; of the wings 16 lines.

Like *B. ostrealis* in structure:

**Bogota.** In Mr. Birchall's collection.

## BOTYS SUPERBALIS.

**Mas.** *Læte ochracea; palpi porrecti, breves, robusti, articulo 3o acuto minimo; abdomen alas posticas longe superans; pedes robusti; alæ lineis tribus undulatis fasciaque lata marginali rufescensibus; antice lituris basalibus plagaque subcostali rufescensibus; postice fascia marginali postice submarginali.*

**Female.** Bright ochraceous, stout, paler beneath. Palpi porrect, stout, smooth, very much shorter than the breadth of the head; third joint acute, very minute. Abdomen extending much beyond the hind wings. Legs smooth, stout. Wings with three undulating reddish lines, and with a broad reddish marginal band. Fore wings acute, with some reddish marks near the base, and with a reddish patch near the costa between the second and third lines; third line bordering the marginal band, which is a little paler. Hind wings with the band submarginal, except near the tip. Length of the body 6 lines; of the wings 13 lines.

a. Cuenca. From M. Frazer's collection.

## BOTYS MOLLICULALES.

Fœm. *Pullide ochracea ; palpi saturate ochracei, oblique ascendentes, verticem non superantes, subtus argenteo-albi, articulo 3o minimo ; thoracis latera antica saturate ochracea ; alæ elongatae, latiusculæ, lineis duabus nigricantibus subundulatis ; antica linea exteriore nigricante undulata.*

*Female.* Pale ochraceous, slender. Body beneath and legs silvery white. Palpi deep ochraceous, silvery white beneath, obliquely ascending, not rising higher than the vertex; third joint very minute. Antennæ slender. Thorax deep ochraceous on each side in front. Abdomen extending a little beyond the hind wings. Legs smooth, slender. Wings elongate, rather broad, with two blackish slightly undulating lines. Fore wings acute; second line across the middle; an exterior blackish undulating line; exterior border slightly convex, rather oblique. Hind wings with the second line beyond the middle. Length of the body 6 lines; of the wings 14 lines.

a. Honduras. From Mr. Miller's collection.

## BOTYS PURPURALIS.

Fœm. *Purpurascens ; caput cervinum ; palpi lati, subarcuati, oblique ascendentibus, verticem non superantes, articulo 3o parvo ; abdomen fuscum ; alæ cupreο cyanoeoque nitentes ; anticae acutæ, margine exteriore perobliquo.*

*Female.* Purplish. Body beneath, palpi, antennæ and legs silvery cinereous. Head dull fawn-colour. Palpi broad, smooth, slightly curved, obliquely ascending, not rising higher than the vertex; third joint conical, minute. Antennæ and legs slender. Abdomen brown, extending rather behind the hind wings. Wings with cupreous and blue reflections. Fore wings acute; exterior border convex, very oblique. Length of the body 6 lines; of the wings 18 lines.

Bogota. In Mr. Birchall's collection.

## BOTYS BILUNULALIS.

Mas. *Cinereo-fusca ; palpi graciles, albido notati, oblique ascendentes, verticem longe superantes, articulo 3o linearī ; abdomen alas posticas sat superans, fasciculo apicali minimo ; alæ elon-*

*gatæ, æneo suffusæ, lineis tribus obscure fuscis vix undulatis, 2a  
3aque cinereo marginatis, fascia submarginali lunulisque mar-  
ginalibus obscure fuscis, his cinereo marginatis; anticæ sub-  
acutæ, orbiculari et reniformi albido submarginatis.*

**Male.** Cinereous-brown. Palpi squamous, slender, with some whitish marks, obliquely ascending, rising much higher than the vertex; third joint linear, conical at the tip, about half the length of the second. Antennæ long, setose. Abdomen extending somewhat beyond the hind wings; apical tuft very small. Legs smooth; a long penicillate tuft at the base of the middle legs. Wings elongate, æneous-tinged, with three dark brown oblique very slightly undulating lines, which appear cupreous in some aspects; of these the second and third are bordered with cinereous on the outer side; an irregular dark brown submarginal band; marginal lunules dark brown, cinereous-bordered. Fore wings slightly acute; orbicular and reniform marks incompletely whitish-bordered; exterior border slightly convex, very oblique. Length of the body 6 lines; of the wings 14 lines.

Allied to *B. Codrusalis*.

a. Para. Presented by J. P. G. Smith, Esq.

#### BOTYS? NOVALIS.

**Mas.** *Fusca; palpi erecti, basi aurato-flavi, pilis squamosis iri-  
descentibus fimbriati, articulo 3o minimo; abdomen alas  
posticas plus dimidio superans, apicem versus compressum;  
alæ longæ, angustæ, purpureo nitentes, fimbria obscure cinerea  
basi fusca.*

**Male.** Dark brown. Body beneath and legs gilded-yellow. Palpi erect, not rising higher than the vertex, gilded-yellow towards the base, fringed with squamous brilliantly iridescent hairs; third joint conical, not more than one-sixth of the length of the second. Antennæ setulose. Abdomen extending for more than half its length beyond the hind wings, compressed towards the tip. Wings long, narrow, with purple reflections; fringe dark cinereous, brown towards the base. Fore wings acute; exterior border slightly convex, very oblique. Length of the body 6½ lines; of the wings 14 lines.

a. Villa Nova. From Mr. Bates' collection.

**BOTYS FULIGINALIS.**

Fœm. *Cupreo-fusca, subpurpurascens; palpi porrecti, breves, articulo 3o conico; abdomen alas posticas paullo superans; alæ lineis duabus fuscis indistinctis subangulosis; antica linea 2a valde flexa, striga fusca transversa; posticæ albo finbriata.*

*Female.* Cupreous-brown, slightly purplish tinged. Body beneath and legs silvery cinereous. Palpi porrect, white beneath, very much shorter than the breadth of the head; third joint conical, very minute. Abdomen extending a little beyond the hind wings. Wings with two brown indistinct slightly zigzag lines, the one antemedial, the other postmedial. Fore wings acute; second line very much bent and forming two nearly right angles; a brown transverse streak in the disk; exterior border slightly convex, moderately oblique. Hind wings with a white fringe. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

Brazil. In Mr. Saunders' collection.

**BOTYS CELLATALIS.**

Fœm. *Cupreo-fusca; palpi porrecti, breves; alæ lineis duabus fuscis subangulosis; antica linea 2a valde flexa, striga fusca transversa.*

*Female.* Cupreous-brown. Body beneath and legs silvery cinereous. Palpi porrect, squamous, white beneath, much shorter than the breadth of the head. Wings iridescent, with two brown slightly zigzag lines, the one antemedial, the other postmedial. Fore wings acute; second line very much bent, forming two very nearly right angles; a brown transverse streak in the disk; exterior border convex, rather oblique. Length of the body 4 lines; of the wings 10 lines.

The brown fringe of the hind wings distinguishes this species from *B. fuliginalis*. It has some resemblance to *B. pruinialis*, but is much smaller.

Brazil. In Mr. Saunders' collection.

## BOTYS? LATIFERALIS.

**Mas.** *Lutea; palpi graciles, erecti, verticem paullo superantes, articulo 3o lanceolato, 2i dimidio breviore; antennæ nigrae, setulosæ; abdomen alas posticas superans, apicem versus nigricans; alæ margine latissimo cupreæ; anticæ acutæ, margine exteriore subconvexo.*

**Male.** Luteous. Body beneath and legs gilded. Palpi smooth, slender, erect, rising a little higher than the vertex; third joint lanceolate, less than half the length of the second. Antennæ black, setulose. Abdomen blackish towards the tips, extending rather beyond the hind wings. Fore legs, except the tarsi, cupreous above; posterior femora towards the base and posterior tibiae at the tips cupreous above. Wings with a very broad cupreous border. Fore wings acute; exterior border slightly convex, moderately oblique. Length of the body 5 lines; of the wings 12 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

## BOTYS VENOSALIS.

**Mas et fœm.** *Flavescente-cinerea, gracillima; caput et thorax anticus ochracea; oculi albo cincti; palpi porrecti, breves, lati, rostriformes, subtus albidi, articulo 3o minimo; abdomen alas posticas dimidio superans, fasciculo apicali minimo; pedes longissimi, gracillimi; alæ anticæ longæ, angustaæ, venis ochraceis, linea marginali nigricante, fimbria albida; posticæ albidae, hyalinæ, ochraceo pallido marginatae.*

**Male and female.** Yellowish cinereous, very slender. Head, palpi and fore part of the thorax ochraceous. Eyes white-bordered. Palpi porrect, broad, rostriform, whitish beneath, much shorter than the breadth of the head; third joint very minute. Antennæ long, minutely setulose in the male. Abdomen extending for half its length beyond the hind wings; apical tuft of the male very small. Legs very long and slender. Wings long, narrow. Fore wings acute; veins ochraceous; marginal line blackish; fringe whitish; exterior border straight, very oblique. Hind wings whitish, hyaline, pale ochraceous along the exterior border. Length of the body 4½ lines; of the wings 10 lines.

- a. Congo. Presented by Sir J. Richardson.
- b. North Hindostan. From Capt. Boys' collection.
- c. South Hindostan. Presented by M. J. Walhouse, Esq.

## BOTYS INTACTALIS.

**Mas.** *Nivea; caput postice cervinum; palpi cervini, porrecti, breves; antennæ glabrae; thoracis latera antica cervina; abdomen alas posticas sat superans, fasciculo apicali longo tenui; alæ amplæ, semihyalinæ; antica vitta costali brevi cervina.*

**Male.** Pure white, slender. Head fawn-colour on the hind border. Palpi porrect, fawn-colour on the outer side, much shorter than the breadth of the head. Antennæ slender, smooth. Thorax fawn-colour on each side between the fore border and the base of the fore wing. Abdomen extending somewhat beyond the hind wings; apical tuft long, slender. Legs slender; fore tibiae with two fawn-coloured bands. Wings ample, iridescent, semihyaline. Fore wings with a fawn-coloured costal stripe, which extends along one-third of the length from the base. Length of the body 7 lines; of the wings 16 lines.

**a, b.** South Africa. From Mr. Trimen's collection.

## BOTYS FLAVISSIMALIS.

**Fœm.** *Læte aurato-flava; palpi graciles, cervini, porrecti, subtus albi, capitis latitudine breviores, articulo 3o brevi lanceolato; antennæ gracillimæ; abdomen alas posticas non superans; alæ linea postmedia punctulari punctisque marginalibus fuscis; antica puncto guttaque mediis punctisque duobus posticis fuscis; postice puncto basali fusco.*

**Female.** Bright gilded yellow, slender. Palpi fawn-colour, porrect, slender, smooth, white beneath, shorter than the breadth of the head; third joint lanceolate, not more than one-fourth of the length of the second. Antennæ very slender. Abdomen not extending beyond the hind wings. Legs smooth, slender. Wings with an incomplete postmedial line of brown points; marginal points brown, very minute. Fore wings acute; costa brown along three-fourths of the length from the base; a brown point and a brown dot representing the orbicular and reniform marks; two brown points on the interior border; exterior border convex, moderately oblique. Hind wings with a brown point in the disk near the base. Length of the body 4 lines; of the wings 12 lines.

**a.** Cape. From Mr. Trimen's collection.

## BOTYS PROFANALIS.

**Mas.** *Fuscescente-cinerea; caput et thorax fusca; palpi brepes, porrecti, lanceolati, pilosi, subtus albi; abdomen alas posticas dimidio superans, fasciculo apicali elongato; alæ angustæ, lineis tribus obliquis angulosis punctisque marginalibus diffusis furcis; anticæ vix acutæ, orbiculari et reniformi fuscis parvis.*

**Male.** Brownish cinereous. Head and thorax brown. Palpi porrect, lanceolate, pilose, much shorter than the breadth of the head, white beneath. Antennæ minutely pubescent. Abdomen extending for half its length beyond the hind wings; apical tuft elongate. Legs slender. Wings narrow, with three oblique zigzag brown lines; first line antemedial; second postmedial; third submarginal, indistinct in the hind wings; marginal points brown, diffuse. Fore wings hardly acute, with the orbicular and the reniform indicated by two small brown marks; exterior border slightly convex, rather oblique. Length of the body 4 lines; of the wings 8 lines.

**s, b. Cape:** From M. Dregé's collection.

## BOTYS LONGALIS.

**Mas.** *Ochracea; oculi albo cincti; palpi porrecti, lanceolati, subtus albi, capitis latitudine paullo longiores, articulo 3o parvo lanceolato; abdomen album, longissimum; pedes longissimi, gracillimi; alæ longæ, angustæ, costa saturatiore, lineis duabus cervinis postice approximatis, 1a subobliqua, 2a arcuata rectangulata, gutta punctisque marginalibus cervinis.*

**Male.** Ochraceous, slender. Body beneath and legs silvery white. Head white about the eyes. Palpi porrect, lanceolate, white beneath, a little longer than the breadth of the head; third joint lanceolate, about one-fourth of the length of the second. Antennæ long, slender, setulose. Abdomen white, extending for nearly its whole length beyond the hind wings; apical tuft elongate. Legs very long and slender. Wings long, narrow. Fore wings acute, deeper ochraceous along the costa; two fawn-coloured lines, which are more than thrice nearer to each other on the interior border than on the costa; first line slightly oblique; second curved outward, forming a right angle behind a fawn-coloured dot, which

represents the reniform mark; marginal points fawn-colour; exterior border straight, very oblique. Length of the body 5 lines; of the wings 11 lines.

a. Delagoa Bay, West Africa. In Mr. Saunders' collection.

#### BOTYS BASALIS.

Mas. *Subaurato-flava*; *caput antice fuscescens*; *palpi fusi, porrecti, breves, subtus albi, articulo 3o conico*; *thorax antice fusco fasciatus*; *alæ lineis duabus punctularibus guttaque intermedia fuscis*; *anticæ linea 2a valde flexa*; *posticæ linea 1a indeterminata*.

*Male.* Yellow, slender, slightly gilded. Body beneath and legs silvery white. Head brownish in front. Palpi brown, porrect, white beneath, much shorter than the breadth of the head; third joint conical, very small. Maxillary palpi very short. Antennæ pubescent. Thorax with a brown band along the fore border. Wings with two lines of brown points; first line antemedial, very incomplete in the hind wings; second postmedial, very deeply bent outward in the fore wings; a brown dot in the disk between the lines. Fore wings acute; exterior border slightly convex, moderately oblique. Length of the body 4 lines; of the wings 9 lines.

a. Ceylon. From M. Nietner's collection.

#### BOTYS SUBJUNCTALIS.

Mas. *Cervina*; *palpi robusti, arcuati, oblique ascendentibus, articulo 3o longi-conico*; *alæ antice latiusculæ, purpurascente-æneæ, puncto, maculis duabus costalibus guttaque costali intermedia flavis, margine exteriore perobliquo*; *posticæ æneæ*.

*Male.* Fawn-colour. Body beneath and legs silvery white. Palpi stout, curved, obliquely ascending, not rising so high as the vertex; third joint elongate-conical, not one-fourth of the length of the second. Antennæ pubescent. Wings rather broad. Fore wings purplish æneous, acute; a yellow point in the disk, two yellow costal spots, and an intermediate yellow costal dot; first spot broadest on the costa; second transversely elongated; exterior border convex, very oblique. Hind wings æneous. Length of the body 5 lines; of the wings 12 lines.

a. Ceylon. Presented by Dr. Templeton.

## BOTYS PRÆTERITALIS.

**Fœm.** *Cinereo-fusca; palpi lati, porrecti, capitis latitudine multo breviores; alæ punctis marginalibus nigricantibus, fimbria basi pallide cinerea; antice lineis duabus fuscis, 1a sub-arcuata, 2a flexa biangulata, litura discali fusca indistincta; posticæ linea fusca arcuata indistincta.*

**Female.** Cinereous-brown, nearly allied to *B. adhesalis*. Body beneath and legs pale silvery cinereous. Palpi broad, porrect, much shorter than the breadth of the head. Wings with indistinct blackish marginal points; a pale cinereous line at the base of the fringe; under side silvery cinereous. Fore wings acute, with two darker brown lines; first line at one-fourth of the length, slightly curved outward; second at two-thirds of the length, abruptly bent and forming two right angles behind an indistinct brown mark in the disk; exterior border nearly straight, moderately oblique. Hind wings with an indistinct much outward-curved brown line in the middle. Length of the body 5 lines; of the wings 12 lines.

a. Ceylon. Presented by Dr. Templeton.

## BOTYS PATULALIS.

**Fœm.** *Aurato-flava; capitis latera antica fusca; palpi fusti, porrecti, breves, articulo 3o brevissimo; alæ amplæ, macula strigaque subapicali fuscis transversis; antice costa basali, gutta basali maculaque apud angulum interiorem fuscis.*

**Female.** Gilded yellow. Body beneath and legs silvery white. Head brown on each side in front. Palpi porrect, brown on the outer side, very much shorter than the breadth of the head; third joint extremely short. Wings long, broad, with an elongated brown transverse spot in the disk, and with a transverse brown subapical streak. Fore wings acute; costa brown towards the base; a brown dot in the disk near the base, and a brown spot close to the interior angle; exterior border convex, rather oblique. Length of the body 7 lines; of the wings 18 lines.

a. Darjeeling. Presented by the Secretary of the India Board.

## BOTYS SUBTESELLALIS.

*Fœm.* *Ochracea; abdomen e maculis albis trivittatum; ale albidæ, semihyalinæ, lineis tribus ochraceis deviis connexis, fuscia submarginali alba strigas ochraceas includente, linea marginali ochracea; anticae lineolis tribus basalibus ochraceis.*

*Female.* Ochraceous. Body beneath and legs silvery white. Thorax with two interrupted white bands. Abdomen extending somewhat beyond the hind wings, with three rows of white spots. Wings broad, whitish, semihyaline, with three irregular zigzag ochraceous lines, which are here and there connected by streaks; marginal line ochraceous. Fore wings slightly acute, with an ochraceous lunule between the first line and the second, and with three more ochraceous lines between the first line and the base; exterior border slightly convex, moderately oblique. Length of the body 6 lines; of the wings 16 lines.

*a.* Darjeeling. Presented by the Secretary of the India Board.

## BOTYS INTERRUPTALIS.

*Fœm.* *Pallide ochracea, robusta; abdomen alas posticas longe superans; ale albidæ, basi pallide ochraceæ, lineis quatuor ochraceis angulosis fuscescente notatis, linea marginali ochracea; anticae orbiculari et reniformi pallide ochraceis fuscescente marginatis; posticæ linea 1a abbreviata.*

*Female.* Pale ochraceous, stout, whitish beneath. Abdomen extending much beyond the hind wings. Legs smooth, stout. Wings whitish, iridescent, pale ochraceous at the base, with four zigzag oblique ochraceous here and there brownish-marked lines; first line approximate to the second and abbreviated in the disk of the hind wings; third and fourth near the exterior border; marginal line ochraceous. Fore wings acute; orbicular and reniform marks pale ochraceous, mostly brownish-bordered; exterior border slightly convex, very oblique. Length of the body 7 lines; of the wings 16 lines.

*a.* Ceylon. Presented by Dr. Templeton

## BOTYS MEGAPTRALIS.

**Fœm.** *Cupreo-fusca, robusta; palpi robusti, erecti, articulo 3o brevissimo; alæ linea nigricante postmedia obliqua arcuata; anticæ linea nigricante antemedia indistincta, puncto inter lineas nigro, margine exteriore perobliqua.*

**Female.** Cupreous-brown, stout, paler and with a cinereous tinge beneath. Palpi stout, smooth, erect, not rising higher than the vertex; third joint extremely short. Abdomen extending much beyond the hind wings. Wings with a blackish postmedial oblique outward-curved line. Fore wings acute, with an indistinct blackish antemedial line, and with a black point in the disk between the lines; exterior border convex, very oblique. Length of the body 8—10 lines; of the wings 22—24 lines.

**Ceram.**

**a, b. Darjeeling.** Presented by the Secretary of the India Board.

The description is taken from a Ceram specimen; those from Darjeeling are larger and may be distinct. This species is allied to the genus *Pachynoa*.

## BOTYS STENOPHILALIS.

**Fœm.** *Ochracea, gracilis; oculi albo-cincti; palpi porrecti, breves, subtus albi, articulo 3o minimo; pedes longi, graciles; alæ angustæ, longissimæ; anticæ lineis duabus obliquis obscurioribus.*

**Female.** Ochraceous, slender. Body beneath silvery white. Eyes white-bordered. Palpi porrect, squamous, acute, white beneath, much shorter than the breadth of the head; third joint very small. Legs long, slender, pale gilded yellow. Wings narrow, very long. Fore wings acute, with two oblique darker ochraceous lines; exterior border extremely oblique. Length of the body 6 lines; of the wings 16 lines.

**Cambodia.** In Mr. Saunders' collection.

## BOTYS SEMIZEBRALIS.

**Fœm.** *Aurato-flava; palpi fusci, arcuati, oblique ascendentibus, subtus albi, articulo 3o longi-conico; abdomen pallide ochraceum, segmentis albo marginatis; alæ lineis tribus plagisque*

*duabus purpureo-cupreis, linea 3a marginali, plaga 1a apicali,  
2a postica; antice vix acutæ, guttis tribus basalibus lineaque  
antemedia furcata purpureo-fuscis.*

**Female.** Gilded yellow. Body beneath and legs silvery white. Palpi brown, curved, squamous, obliquely ascending, silvery white beneath, not rising higher than the vertex; third joint elongate-conical, about one-third of the length of the second. Abdomen pale ochraceous, extending somewhat beyond the hind wings; hind borders of the segments white. Wings moderately broad, with three irregular purplish cupreous lines and with two purplish cupreous patches; first line antemedial; second postmedial; third marginal; first patch apical. Fore wings hardly acute; three purplish cupreous dots near the base; a purplish cupreous line between the dots and the first line, forked near the costa; second line connected with the first patch; second patch on the interior angle; exterior border slightly convex and oblique. Hind wings with the second patch near the hind end of the exterior border. Length of the body 4 lines; of the wings 10 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

#### BOTYS CONCATENALIS.

**Fœm.** *Cuprea; palpi robusti, ascendentes, subarcuati, articulo 3o brevissimo; alæ anticæ gutta subcostali antemedia, strigata costali transversa postmedia lituraque costali exterior indistincta flavis.*

**Female.** Cupreous. Body beneath and legs gilded cinereous. Palpi stout, smooth, ascending, slightly curved, not rising higher than the vertex; third joint very short. Abdomen extending much beyond the hind wings. Fore wings acute; a yellow subcostal antemedial dot; a broad yellow postmedial streak, which extends from the costa across half the breadth of the wing; a more exterior indistinct yellow costal mark; exterior border convex, rather oblique. Length of the body 6 lines; of the wings 16 lines.

a. Darjeeling. Presented by the Secretary of the India Board.

#### BOTYS DISJUNCTALIS.

**Fœm.** *Pallide flava; palpi erecti, sat graciles, verticem paulo superantes, articulo 3o brevi lanceolato; thoracis latera antice ochracea; abdomen pallide ochraceum, alas posticas et superans, segmentis albido marginatis; alæ æneo-cinereæ.*

*fimbriata; antice costa, venis marginaque exteriore ochraceis, striga costali basali maculaque fuscis, lineis tribus fuscis, 1a undulata, 2a angulata, 3a abbreviata subangulosa, linea submarginali fusca indeterminata, linea marginali æneocinerea; posticæ maculis duabus lineaque exteriore arcuata abbreviata fuscis.*

**Female.** Pale yellow. Body beneath and legs silvery white. Palpi erect, rather slender, rising a little higher than the vertex; third joint lanceolate, not more than one-fourth of the length of the second. Antennæ slender. Thorax ochraceous on each side in front. Abdomen pale ochraceous, extending rather beyond the hind wings; hind borders of the segments whitish. Wings with an æneous-cinereous fringe. Fore wings acute; costa, veins and exterior border ochraceous; a brown streak along the basal part of the costa; three brown lines; first line undulating; second forming an outward angle; third slightly zigzag, much abbreviated towards the interior border; a brown spot between the first and second lines; a very incomplete submarginal brown line; an æneous-cinereous marginal line. Hind wings with two brown spots, one in the disk, the other near the interior border; an exterior curved much abbreviated brown line; an æneous-cinereous marginal line, which is much abbreviated towards the interior angle. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

#### BOTYS STRENUALIS.

**Fœm.** *Pallide ochracea, sat robusta; oculi albo marginati; palpi porrecti, rostriformes, subtus albi, capitis latitudine breviores, articulo 3o parvo longi-conico; abdomen alas posticas paullo superans, segmentis albo marginatis; alæ lineis duabus fuscescens-tibus diffusis undulatis indistinctis, fascia submarginali fuscescente indistincta; antice vix acutæ; posticæ ochraceo-cinereæ.*

**Female.** Pale dull ochraceous, rather stout. Body beneath and legs silvery white. Eyes white-bordered. Palpi porrect, rostriform, white beneath, shorter than the breadth of the head; third joint elongate-conical, acute, not more than one-fourth of the length of the second. Antennæ slender. Abdomen extending a little beyond the hind wings; hind borders of the segments white. Legs slender. Wings iridescent, with two diffuse undulating indistinct brownish lines; first line antemedial; second postmedial; an indistinct

brownish submarginal band. Fore wings hardly acute; exterior border slightly convex, moderately oblique. Hind wings ochraceous-cinereous. Length of the body 5 lines; of the wings 12 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

#### BOTYS INSCISALIS.

*Æneo-purpurea; palpi ochracei, porrecti, breves, lati, articulo 3o conico; alæ antice subacutæ, vitta costali aurato-lutea basi spicque dilatata, margine exteriore subobliquo fere recto; postice pallide aurato-flave.*

*Æneous-purple.* Body beneath and legs silvery white. Palpi ochraceous, porrect, smooth, broad, much shorter than the breadth of the head; third joint conical, not more than one-sixth of the length of the second. Legs smooth, slender. Fore wings slightly acute, with a gilded luteous costal stripe, which is much dilated near the base and is very much dilated near the tip, and occupies the whole of the exterior border; exterior border almost straight, slightly oblique. Hind wings pale gilded yellow. Length of the body 8 lines; of the wings 18 lines.

a, b. Darjeeling. Presented by the Secretary of the India Board.

#### BOTYS NIGRILINEALIS.

Fœm. *Pallide aurato-ochracea; palpi robusti, ascendentis, subarcuati, nigro uniguttati, articulo 3o brevissimo; pedes antici nigro cincti; alæ late, lineis tribus saturate ochraceis obliquis vix undulatis, fimbria obscure cinerea nigro interlineata; antice gutta discali guttisque tribus costalibus nigris.*

*Female.* Pale gilded ochraceous, paler beneath. Palpi stout, smooth, ascending, slightly curved, not rising higher than the vertex, with a black dot on the outer side near the tip; third joint extremely short. Abdomen lanceolate, extending much beyond the hind wings. Fore femora, fore tibiæ and joints of the fore tarsi with black tips. Wings broad, with three oblique hardly undulating deeper ochraceous lines; fringe dark cinereous, shining, with a black line at the base. Fore wings acute, with a black dot in the disk, with a black costal dot near the base, and with two more black costal dots, which terminate the first and third lines; exterior border slightly convex, rather oblique. Length of the body 7 lines; of the wings 15 lines.

Cambodia. Sula. Mysol. In Mr. Saunders' collection.

## BOTYS ALBIDALIS.

**Fœm.** *Albida; caput et thorax anticus pallide ochracea; alæ amplæ, linea postmedia cinerea undulata denticulata; anticæ vitta costali abbreviata pallide ochracea.*

**Female.** Whitish. Head, palpi, fore part of the thorax and an abbreviated costal stripe of the fore wings pale ochraceous. Antennæ and legs long, slender. Wings ample, with a postmedial denticulated undulating cinereous line. Fore wings acute; exterior border almost straight, slightly oblique. Length of the body 6 lines; of the wings 15 lines.

a. Hindostan. Presented by the Secretary of the India Board.

## BOTYS CONVECTALIS.

**Mas.** *Cinerea, sat gracilis; caput et thorax anticus cervina; palpi porrecti, subtus fimbriati, capitis latitudine breviores, articulo 3o brevissimo; antennæ subpubescentes; abdomen pallide ochraceum, alas posticas longe superans, segmentis albo marginatis, fasciculo apicali magno albo-quadrivittato; alæ lineis tribus fuscis postice approximatis, fascia marginali pallide fusca postice abbreviata, fimbria albida fusco interlineata; anticæ vitta costali lineaque abbreviata fuscis, punctis marginalibus nigricantibus; postica linea marginali fusca.*

**Male.** Cinereous, rather slender. Head and fore part of the thorax fawn-colour. Body beneath and legs silvery white. Palpi porrect, fringed beneath, shorter than the breadth of the head; third joint very short. Antennæ very minutely pubescent. Abdomen pale ochraceous, extending much beyond the hind wings, with a black dot on each side at the tip; hind borders of the segments white; apical tuft deeper ochraceous, long, compressed, with four white stripes. Legs slender. Wings iridescent, with three brown lines; first and second lines converging from the costa of the fore wings to the interior angle of the hind wings; third irregular, converging to the second, abbreviated in the hind wings; a pale brown marginal band, which is much abbreviated in the hind wings; fringe whitish, interlined with brown near the base. Fore wings acute; costa brownish; an undulating brown line between the second and third lines extending from the costa to a little beyond the middle of the breadth; marginal points blackish; exterior border

slightly convex, rather oblique. Hind wings with a brown marginal line. Length of the body 5 lines; of the wings 11 lines.

a. South Hindostan. Presented by M. J. Walhouse Esq.

#### BOTYS LUCIFERALIS.

*Pallide flava; caput rufo fasciatum; thorax rufo bifasciatus, plagiis lateralibus duabus rufis duabusque argenteis; abdomen rufum, alas posticas sat superans, maculis dorsalibus argenteis; alæ rufo conspersæ, linea marginali rufa; antice maculis duabus maximis albis fere hyalinis rufo marginatis, fascia exteriore e maculis argenteo-albis; postice macula maxima alba fere hyalina rufo marginata.*

Pale yellow. Body beneath and legs silvery white. Head with a red band on the vertex. Thorax with two red bands, of which the hind one is much more determinate than the fore one and is connected on each side with a red patch, the latter joining a silvery patch. Abdomen red, extending rather beyond the hind wings, with a transverse silvery spot on the hind border of each segment. Wings red-speckled; marginal line red. Fore wings acute, with two very large white nearly hyaline red-bordered spots; an incomplete band of silvery white spots nearer the exterior border, which is slightly convex and rather oblique. Hind wings with a very large white nearly hyaline red-bordered spot. Length of the body 5½ lines; of the wings 14 lines.

a. Canara. Presented by the Secretary of the India Board.

#### BOTYS REDUCTALIS.

Mas. *Ochracea; palpi late fimbriati, oblique ascendentes, articulo 3o brevissimo; antennæ robustæ, pubescentes; abdominis fasciculus apicalis parvus, compressus; alæ lineis tribus fuscis, 1a 2aque vix dentatis, 1a subarcuata, 3a marginali; antice puncto guttaque fuscis, linea 2a valde flexa.*

Male. Ochraceous, paler beneath. Palpi obliquely ascending, broadly fringed with squamous hairs, not rising higher than the vertex; third joint extremely short. Antennæ stout, pubescent. Abdomen extending rather beyond the hind wings; apical tuft small, compressed. Wings moderately broad, with three brown lines; first and second lines hardly dentate; first slightly curved outward; second very deeply bent in the fore wings, incomplete in the hind

wings; third marginal. Fore wings acute; orbicular and reniform marks between the first and second lines, represented by a brown point and a brown dot; exterior border hardly convex, moderately oblique. Length of the body 4 lines; of the wings 10 lines.

**Amoy.** In Mr. Saunders' collection.

#### BOTYS PAUCIFERALIS.

**Fœm.** *Pallide ochracea; abdomen flavescente-album, alas posticas paullo superans; alæ anticae vix acutæ, guttis sex fuscis, 1a antemedia, 2a 3aque postmediis, 2a subcostali, 3a postica, 4a, 5a et 6a exterioribus; posticæ subaurato-albidae.*

**Female.** Pale ochraceous, silvery white beneath. Abdomen yellowish white, extending a little beyond the hind wings. Wings moderately broad. Fore wings hardly acute, with six brown dots; first dot in the disk before the middle; second and third beyond the middle; second subcostal; third near the interior border; fourth, fifth and sixth more exterior, forming a short transverse streak; fringe whitish; exterior border convex, rather oblique. Hind wings whitish, slightly gilded. Length of the body  $3\frac{1}{2}$  lines; of the wings 9 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

#### BOTYS PTEROPHORALIS.

**Fœm.** *Cervina, gracillima; palpi breves, graciles, oblique ascendentes, subtus albi, articulo 3o minimo; abdomen longissimum; pedes gracillimi; alæ longæ, perangustæ, purpurascente cupreο suffusa; anticæ acutæ.*

**Female.** Fawn-colour, very slender. Body silvery white beneath. Palpi pubescent, slender, white beneath, obliquely ascending, not rising so high as the vertex; third joint very short. Antennæ slender. Abdomen very long, extending for nearly its whole length beyond the hind wings. Legs long, silvery cinereous, very slender; spurs very slender. Wings long, very narrow, with a purplish cupreous tinge. Fore wings acute; exterior border slightly convex, extremely oblique. Length of the body 7 lines; of the wings 12 lines.

Most allied to *B. Damalis*.

a. Penang. Presented by the Secretary of the India Board.

## BOTYS CONTINUALIS.

**Fœm.** *Argenteo-alba, sat robusta; caput antice ochraceum; palpi porrecti, rostriformes, subtus albi, articulo 3o brevissimo; thoracis latera antica ochracea; abdomen alas posticas sat superans; pedes graciles; alæ anticæ longæ, subhyalinae, puncto disci nigro, linea submarginali cinerea; antice acutæ, linea submarginali undulata, costa ochracea, punctis tribus submarginalibus nigris.*

**Female.** Silvery white, rather stout. Head ochraceous in front. Palpi ochraceous, porrect, rostriform, shorter than the breadth of the head, white beneath; third joint very short. Thorax ochraceous on each side in front. Abdomen extending somewhat beyond the hind wings. Legs slender; fore femora and fore tibiæ ochraceous above. Wings long, iridescent, nearly hyaline, with a black point in the disk, and with a cinereous submarginal line. Fore wings acute; submarginal line undulating; costa ochraceous; three black submarginal points; first near the base; second antemedial; third opposite the point in the disk; exterior border slightly convex, rather oblique. Length of the body 6 lines; of the wings 16 lines.

a. Penang. Presented by the Secretary of the India Board.

## BOTYS SUBMARGINALIS. .

**Fœm.** *Argenteo-alba, robusta; caput antice ochraceum; palpi cervini, porrecti, breves, obtusi; thoracis latera antica ochracea; abdomen pallide ochraceum, alas posticas sat superans; alæ fere hyalinae, linea fusca submarginali subundulata, punctis marginalibus nigricantibus; anticæ costa ochracea, guttis tribus subcostalibus guttague media nigricantibus; postica striga puncto que nigricantibus.*

**Female.** Silvery white, stout. Head ochraceous in front. Palpi fawn-colour, porrect, obtuse, silvery white beneath, much shorter than the breadth of the head; third joint extremely short. Thorax ochraceous on each side in front. Abdomen pale ochraceous, extending rather beyond the hind wings. Wings nearly hyaline, with a submarginal slightly undulating brown line; marginal points blackish. Fore wings acute; costa ochraceous; three blackish subcostal dots; a blackish dot at the end of the areolet; exterior border

slightly convex, rather oblique. Hind wings with a transverse blackish streak and a blackish point at the end of the areolet. Length of the body  $5\frac{1}{2}$  lines; of the wings 14 lines.

a. Penang. Presented by the Secretary of the India Board.

#### BOTYS? BISTRIGULALIS.

*Flavescens, sat robusta; alæ lineis tribus obliquis subdenticulatis lineaque marginali fuscescentibus; anticæ strigis duabus transversis approximatis guttaque antemedia fuscis subcostalibus.*

Yellowish, rather stout, paler beneath. Body beneath and legs whitish. Wings with three brownish oblique slightly denticulated transverse lines: first line near the base; second before the middle; third beyond the middle; marginal line brownish. Fore wings acute, with a brown subcostal dot at one-fourth of the length of the wing, and with two approximate transverse brown subcostal streaks at half the length; exterior border slightly convex, moderately oblique. Length of the body 4 lines; of the wings 10 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

#### BOTYS? TRANSVERSALIS.

Fæm. *Pallidissime ochracea; palpi robusti, oblique ascendentes, capitis latitudine breviores; alæ latiusculæ, lineis plurimis transversis fimbriaque saturate ochraceis; anticæ vittæ costali abbreviata saturate ochracea albido punctata, punctis marginibus fuscis elongatis.*

*Female.* Very pale ochraceous, slender. Palpi stout, obliquely ascending, shorter than the breadth of the head; third joint very short. Antennæ shorter than the body. Abdomen extending beyond the hind wings. Legs smooth, slender. Wings slightly elongated, rather broad, with many transverse deep ochraceous lines; fringe deep ochraceous. Fore wings acute, with an abbreviated deep ochraceous costal stripe, which contains some whitish points and emits a streak to the disk; marginal points brown, elongated; exterior border slightly convex, rather oblique. Length of the body 3 lines; of the wings 8 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

## BOTYS? PLACENS.

**Mas.** *Pallide ochracea ; caput pallido lineatum ; palpi rufescentes, lati, porrecti, thoracis latera rufescencia ; alæ atomis nonnullis lineaque undulata postmedia lineaque submarginali antice subundulata rufescentibus ; anticæ litura subcostali, linea inter lineas 1am et 2am lineaque antemedia rufescentibus.*

**Male.** Pale ochraceous. Body white beneath. Head with a pale longitudinal line. Palpi porrect, broad, reddish, white beneath, not longer than the breadth of the head. Thorax reddish along each side. Wings with a few reddish speckles, with a reddish undulating transverse line beyond the middle, and with a submarginal reddish line, which is broadest in the fore wings, where it is slightly undulating. Fore wings with two more reddish lines; one near the base, curved outward; the other at about half the distance between the first-mentioned line and the submarginal line; a reddish mark near the costa between the second and third lines. Length of the body 5 lines; of the wings 12 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

## BOTYS? IMPARATALIS.

**Mas.** *Cinerea, ferrugineo conspersa ; palpi porrecti, breves, obtusi ; antennæ moniliformes, subpubescentes ; alæ antice vix acute, lineis duabus ferrugineis arcuatis indistinctis, 1a postmedia, 2a submarginali.*

**Male.** Cinereous, slender, thickly ferruginous-speckled. Palpi porrect, obtuse, much shorter than the breadth of the head; third joint very short. Antennæ extremely minutely nodulose and pubescent. Legs smooth, slender; spurs long. Wings elongate, moderately broad. Fore wings hardly acute, with two transverse indistinct outward-curved ferruginous lines; one beyond the middle, the other near the exterior border, which is slightly convex and very oblique. Length of the body 5 lines; of the wings 14 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

## BOTYS RADICALIS.

**Mas et fœm.** *Cinereo-fusca, cupreo purpureoque nitens; palpi lati, verticem non superantes, articulo 3o brevissimo; alæ amplæ, fimbria obscure cinerea.* **Mas.**—*Antennæ glabré, basi incrassatae; abdominis fasciculus apicalis minimus.*

**Male and female.** Cinereous-brown, with cupreous and purple reflections. Body beneath and legs silvery cinereous. Palpi broad, squamous, silvery white beneath towards the base, not rising higher than the vertex; third joint conical, not more than one-eighth of the length of the second. Antennæ of the male smooth; first joint incrassated. Pectus silvery white in front. Abdomen extending much beyond the hind wings; apical tuft of the male very small. Wings ample; fringe dark cinereous. Fore wings acute; exterior border convex, rather oblique. Length of the body 7—8 lines; of the wings 17—18 lines.

This species is more slender than *B. megapteralis*, and there are no lines on the wings.

New Guinea.

a, b. Ceram. From Mr. Wallace's collection.

## BOTYS CINIFERALIS.

**Mas.** *Pallide cinerea; caput ochraceum; palpi ochracei, porrecti, lati, articulo 3o brevissimo; antennæ graciles, subpubescentes; thorax antice ochraceus; abdomen alas posticas longe superans, fasciculo apicali longo subcompresso; alæ amplæ.*

**Male.** Pale cinereous, slender. Body beneath and legs silvery white. Head, palpi and fore part of the thorax ochraceous. Palpi porrect, broad, white beneath, shorter than the breadth of the head; third joint extremely short. Antennæ slender, minutely pubescent. Abdomen extending much beyond the hind wings; apical tuft elongate, slightly compressed. Wings ample. Fore wings acute; exterior border slightly convex, moderately oblique. Length of the body 7½ lines; of the wings 17 lines.

New Guinea. In Mr. Saunders' collection.

## BOTYS COHESALIS.

**Fœm.** *Cinereo-fusca, æneo purpureoque nitens; palpi squamosi, oblique ascendentes, articulo 3o minimo; alæ ample, lineis duabus fuscis cinereo marginatis, 1a subarcuata, 2a postmedia obliqua subrecta, fimbria obscure cinerea; antice punctis duobus fuscis.*

**Female.** Cinereous-brown, slender, with æneous and purple reflections. Palpi squamous, moderately stout, obliquely ascending, not rising higher than the vertex; third joint extremely small. Antennæ slender. Pectus silvery white in front. Wings ample, with two brown lines, which are bordered with cinereous on the outer side; first line near the base, slightly curved outward; second postmedial, oblique, nearly straight; fringe cinereous-brown. Fore wings acute; two brown points between the lines, representing the orbicular and reniform marks; exterior border slightly convex, moderately oblique. Length of the body 6 lines; of the wings 15 lines.

**Sula.** In Mr. Saunders' collection.

## BOTYS GERMANALIS.

**Mas.** *Cinereo-fusca, æneo purpureoque nitens; palpi subarcuati, verticem non superantes, articulo 3o minimo; antennæ subpubescentes; abdomen alas posticas longe superans, fasciculo apicali parvo subcompresso; alæ latiusculæ, linea postmedia fusca cinereo marginata; antice subacutæ, linea antemedia fusca, linea postmedia valde arcuata, puncto inter lineas fuso; postice linea postmedia subarcuata.*

**Mule.** Cinereous-brown, with æneous and purple reflections. Body beneath and legs silvery white. Palpi smooth, slightly curved, nearly erect, not rising higher than the vertex; third joint very minute. Antennæ very minutely pubescent. Abdomen extending much beyond the hind wings; apical tuft small, slightly compressed. Wings rather broad, with a postmedial oblique brown line, which is bordered with cinereous on the outer side. Fore wings slightly acute, with a brown antemedial line; second line very much curved outward; a brown point in the disk between the lines; exterior border convex, moderately oblique. Hind wings

## BOTYS RADICALIS.

**Mas et fœm.** *Cinereo-fusca, cupreo purpureo que nitens; palpi lati, verticem non superantes, articulo 3o brevissimo; alæ amplæ, fimbria obscure cinerea.* **Mas.** — *Antennæ glabré, basi incrassatæ; abdominis fasciculus apicalis minimus.*

**Male and female.** Cinereous-brown, with cupreous and purple reflectious. Body beneath and legs silvery cinereous. Palpi broad, squamous, silvery white beneath towards the base, not rising higher than the vertex; third joint conical, not more than one-eighth of the length of the second. Antennæ of the male smooth; first joint incrassated. Pectus silvery white in front. Abdomen extending much beyond the hind wings; apical tuft of the male very small. Wings ample; fringe dark cinereous. Fore wings acute; exterior border convex, rather oblique. Length of the body 7—8 lines; of the wings 17—18 lines.

This species is more slender than *B. megapteralis*, and there are no lines on the wings.

New Guinea.

a, b. Ceram. From Mr. Wallace's collection.

## BOTYS CINIFERALIS.

**Mas.** *Pallide cinerea; caput ochraceum; palpi ochracei, porrecti, lati, articulo 3o brevissimo; antennæ graciles, subpubescentes; thorax antice ochraceus; abdomen alas posticas longe superans, fasciculo apicali longo subcompresso; alæ amplæ.*

**Male.** Pale cinereous, slender. Body beneath and legs silvery white. Head, palpi and fore part of the thorax ochraceous. Palpi porrect, broad, white beneath, shorter than the breadth of the head; third joint extremely short. Antennæ slender, minutely pubescent. Abdomen extending much beyond the hind wings; apical tuft elongate, slightly compressed. Wings ample. Fore wings acute; exterior border slightly convex, moderately oblique. Length of the body 7½ lines; of the wings 17 lines.

New Guinea. In Mr. Saunders' collection.

wings acute; exterior border convex, very oblique. Length of the body 6½ lines; of the wings 14 lines.

Sula. In Mr. Saunders' collection.

#### BOTYS MINORALIS.

Fœm. *Aeneo-fusca, sat robusta; palpi lati, fimbriati, obliqui ascendentibus, articulo 3o minimo; tibiæ antice apice fusca; alæ latiusculæ, lineis duabus nigricantibus; antice linea 2a valde flexa, striga inter lineas nigricante, fimbria prope angulum interiore alba; posticæ fimbria alba.*

*Female.* Aeneous-brown, rather stout. Body beneath and legs silvery whitish. Palpi broad, fringed, silvery white beneath toward the base, obliquely ascending, not rising higher than the vertex; third joint extremely small. Fore tibiæ brown towards the tips. Wings rather broad, with two blackish lines, one antemedial, the other postmedial. Fore wings acute; second line very much bent outward; a transverse blackish streak in the disk between the lines fringe white, except at the base near the interior angle; exterior border slightly convex, rather oblique. Hind wings with the fringe white, except at the base. Length of the body 5 lines; of the wing 12 lines.

Sula. In Mr. Saunders' collection.

#### BOTYS CUNEALIS.

Fœm. *Fusca, sat robusta; palpi robusti, breves, oblique ascendentes, articulo 3o conico; abdomen alas posticas longissimam superans; pedes longi, graciles; alæ elongatae, sat angustæ purpurascente-aeneo suffusæ, linea postmedia cinerea angulosa undulata, fusco marginata, orbiculari punctiformi et reniformi annuliformi fuscis.*

*Female.* Brown, rather stout, silvery cinereous beneath. Palpi squamous, stout, obliquely ascending, not rising so high as the vertex; third joint conical, about one-fourth of the length of the second. Antennæ slender. Abdomen extending very much beyond the hind wings. Legs long, slender. Wings elongate, rather narrow with a purplish aeneous tinge, and with a very deeply zigzag and undulating cinereous postmedial line, which is bordered with brown on the inner side; orbicular and reniform marks represented by brown point and a brown ringlet. Fore wings acute; exterior bord

slightly convex, very oblique. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

Allied to *B. Damasalis*.

a, b. Ceram. From Mr. Wallace's collection.

#### BOTYS CONGLOBATALIS.

Mas. *Ochracea, sat gracilis; palpi lati, erecti, verticem vix superantes, articulo 3o conico parvo; antennæ pubescentes; abdomen lanceolatum, alas posticas longe superans, fasciculo apicali parvo compresso; alæ latusculæ, fascia media alba semihyalina nigricante marginata plagam ochraceam nigricante marginalam includente, spatio exteriore pallide cervino, fimbria alba; antica linea basali nigricante subrecta, gutta antemedia subcostali alba semihyalina nigricante marginata.*

*Male.* Ochraceous, rather slender, somewhat allied to the genus *Analtes*. Body beneath and legs silvery white. Palpi broad, squamous, erect, hardly rising higher than the vertex; third joint conical, less than one-fourth of the length of the second. Antennæ pubescent. Abdomen lanceolate, extending much beyond the hind wings; apical tuft small, compressed. Wings rather broad, with a white oblique irregular semihyaline middle band, which is blackish-bordered on the outer side and partly blackish-bordered on the inner side, and contains an ochraceous blackish-bordered patch; space between the band and the exterior border pale fawn-colour; fringe white, brown at the base. Fore wings acute; a blackish nearly straight and upright line near the base, contiguous to the inner side of a white subcostal semihyaline dot, which is blackish-bordered on the outer side. Length of the body  $5\frac{1}{2}$  lines; of the wings 14 lines.

Flores. In Mr. Saunders' collection.

#### BOTYS EMISSALIS.

Fœm. *Aurato-flava; palpi ascendentes, subarcuati, articulo 2o rufescente fasciato, 3o lanceolato; thoracis latera rufescentia; abdomen rufescente vittatum; alæ fimbria obscure cuprea; antica basi, costu, lineis tribus fasciaque subapicali attenuata rufescensibus, linea 1a strigam emitte, 2a strigas tres emitte; postice fascia angusta antemedia, linea postmedia abbreviata lineaque marginali rufescensibus.*

**Female.** Gilded yellow, allied to the genus *Analtes*. Palpi erect, smooth, slightly curved, silvery white beneath towards the base, not rising higher than the vertex; second joint with a broad reddish band on the outer side; third lanceolate, not more than one-third of the length of the second. Thorax reddish along each side. Pectus silvery white. Abdomen extending much beyond the hind wings, with a reddish stripe, which is dilated towards the base and near the tip. Tarsi with brown bands. Wings elongate; fringe dark cupreous. Fore wings acute, reddish at the base and along the costa, with three reddish irregular lines and with a reddish subapical band, which is attenuated towards the interior angle; first line slightly undulating; second zigzag, dilated towards the costa, connected by a streak with the first and by three streaks with the third; third undulating; exterior border convex, rather oblique. Hind wings with a narrow reddish oblique antemedial band, and with two reddish lines; first line postmedial, very much curved outward, much abbreviated towards the interior border; second marginal, dilated towards the tip; fringe gilded yellow towards the interior angle. Length of the body 5 lines; of the wings 13 lines.

Aru. In Mr. Saunders' collection.

#### BOTYS ACCIPITRALIS.

**Fœm.** *Ochracea, robusta; palpi graciles, porrecti, breves, articulo 3o minimo; alæ longæ, æneo purpureoque nitentes, lineis duabus angulosis fascia que marginali purpurascente-fuscis, fimbria cinerea; anticæ gutta subcostali linea que exteriore angulosa purpurascente-fuscis.*

**Female.** Ochraceous, stout. Body beneath and legs silvery white. Palpi slender, porrect, silvery white beneath, very much shorter than the breadth of the head; third joint very minute. Pectus silvery white in front. Abdomen lanceolate, extending much beyond the hind wings. Wings long, with purple and æneous reflections; two zigzag oblique purplish brown lines and an irregular purplish brown marginal band; fringe cinereous. Fore wings acute, with a purplish brown subcostal dot between the first and second lines, and with an exterior zigzag line, which joins the band near the interior angle; exterior border straight, very oblique. Length of the body 7½ lines; of the wings 17 lines.

Ceram. In Mr. Saunders' collection.

## BOTYS MYSOLALIS.

**Fœm.** *Aurato-flava; palpi breves, subascendentes, articulo 3o minimo; thoracis latera antica cervina; abdomen alas posticas per paullo superans; alæ ample, lineis duabus subundulatis fasciaque marginali æneo-cervinis, fimbria cinerea; anticæ costa pallide cervina, linea postmedia angulosa æneo-cervina; posticæ linea 1a interrupta, 2a abbreviata.*

**Female.** Gilded yellow. Body beneath and legs silvery white. Palpi moderately stout, slightly ascending, silvery white beneath, very much shorter than the breadth of the head; third joint very minute. Thorax fawn-colour along each side in front. Abdomen extending very little beyond the hind wings. Fore femora with ochraceous tips; fore tibias with a broad ochraceous band. Wings ample, with two æneous fawn-coloured slightly undulating lines, and with an æneous fawn-coloured marginal band; fringe cinereous. Fore wings acute; costa pale fawn-colour; a zigzag æneous fawn-coloured line, which joins the band near the interior angle; exterior border convex, rather oblique. Hind wings with the band more regular than that of the fore wings; first line interrupted; second abbreviated hindward. Length of the body 6 lines; of the wings 18 lines.

**Mysol.** In Mr. Saunders' collection.

## BOTYS IGNEALIS.

**Mas.** *Aurato-flava; caput antice rufum; palpi rufi, porrecti, capitis latitudine breviores, articulo 3o lanceolato; antennæ pubescentes; thorax antice rufus; abdomen alas posticas paullo superans, lateribus rufo conspersis; alæ late, venis lineaque denticulata undulata rufis, lunulis marginalibus fuscis, fimbria obscure cinerea; anticæ linea valde flexa, costa rufa, litura discali fusca.*

**Male.** Gilded yellow. Head bright red in front. Palpi bright red, porrect, silvery white beneath, rather shorter than the breadth of the head; third joint lanceolate, about one-third of the length of the second. Antennæ pubescent. Thorax bright red in front. Pectus silvery white in front. Abdomen extending a little beyond the hind wings, speckled with bright red on each side. Femora and fore tibias red; fore tarsi with reddish bands. Wings broad, partly red along the veins, with a red denticulated undulating postmedial line;

marginal lunules brown; fringe dark cinereous. Fore wings acute, red along the costa; a brown elongated oblique mark in the disk; the line very deeply bent; exterior border convex, moderately oblique. Length of the body  $5\frac{1}{2}$  lines; of the wings 15 lines.

Morty. In Mr. Saunders' collection.

#### BOTYS EXTENUATALIS.

Fœm. *Aurato-flava, gracillima; palpi fusi, graciles, porrecti, caput vix superantes; antennæ gracillimæ; abdomen alas posticas dimidio superans; pedes gracillimi; alæ longæ, angustæ, linea fusca postmedia obliqua, fimbria albida; antica linea angulata, costæ dimidio basali strigulaque fuscis.*

*Female.* Gilded yellow, very slender. Body beneath and legs silvery whitish. Palpi brown, slender, porrect, silvery white beneath, hardly extending beyond the head; third joint extremely small. Antennæ very slender. Pectus silvery white in front. Abdomen long, extending for half its length beyond the hind wings. Legs very slender. Wings long, narrow, with a brown oblique postmedial line, which forms a slight outward angle in the fore wings; fringe whitish, brown at the base. Fore wings acute; costa brown along half the length from the base; a little transverse brown streak in the disk; exterior border slightly convex, extremely oblique. Length of the body 6 lines; of the wings 12 lines.

Sula. In Mr. Saunders collection.

#### BOTYS ANNULIGERALIS.

Mas. *Argenteo-albida; palpi fusi, supra nigricantes, subascendentes, articulo 3o minimo; thorax antice ochraceus nigroque biguttatus; abdomen pallide ochraceum, segmentis albo marginatis; alæ lineis quatuor annulisque duobus fuscis, linea 1a arcuata, 2a angulosa valde undulata, 3a submarginali, 4a marginali, venis exterioribus fuscis; antica guttis duabus basalibus nigris, linea fusca antemedia interrupta.*

*Male.* Silvery whitish. Palpi slightly ascending, blackish above, brown on the outer side, very much shorter than the breadth of the head; third joint very minute. Thorax pale ochraceous, and with a black dot on each side in front. Abdomen pale ochraceous, extending rather beyond the hind wings; hind borders of the segments white. Fore knees black; fore tibiæ black towards the tips;

joints of the fore tarsi with black tips. Wings with four brown lines and with two brown ringlets, of which the second is elongated and much larger than the first; first line curved outward; second zigzag and very deeply undulating; third submarginal; fourth marginal; veins mostly brown towards the exterior border; fringe interlined with brown near the base. Fore wings acute, with two black basal dots, and with an interrupted brown line near the base; exterior border slightly convex, rather oblique. Length of the body 5 lines; of the wings 14 lines.

Sula. Flores. New Guinea.

a, b. Java. Presented by the Secretary of the India Board.

#### BOTYS FIMBRIPUNCTALIS.

Mas et fœm. *Aeneo-albida; palpi fusci, subascendentes, subtus albi, articulo 3o lanceolato; alæ latæ, gutta elongata nigricante, linea postmedia dentata valde undulata albido marginata punctisque marginalibus fuscis, fimbria fusco guttata.*

*Male and female.* Aeneous-whitish. Head, body beneath and legs silvery white. Palpi slightly ascending, brown above and towards the tips beneath, much shorter than the breadth of the head; third joint lanceolate, about one-fourth of the length of the second. Antennæ of the male pubescent. Abdomen extending much beyond the hind wings. Fore femora and fore tibiæ brown above. Wings broad, with a blackish elongated dot in the disk, and with a post-medial brown dentate deeply undulating line, which is whitish-bordered on the outer side; marginal points brown; fringe with brown dots. Fore wings acute; exterior border slightly convex, rather oblique. Length of the body 5 lines; of the wings 12 lines.

Mysol. New Guinea. In Mr. Saunders' collection.

#### BOTYS APTALIS.

Fœm. *Aurato-albida; palpi arcuati, ascendentibus, articulo 3o conico; thoracis latera antica cervina; alæ latiusculæ, semi-hyalinæ, lineis duabus æneo-fuscis, linea 2a undulata fasciæ marginali lata ænea connexis, fimbria cinerea basi flava; antica lituris duabus annulogae elongato fuscis.*

*Female.* Gilded whitish. Body beneath and legs silvery white. Palpi squamous, curved, ascending, not rising higher than the vertex; third joint conical, not more than one-sixth of the length of

the second. Thorax fawn-coloured along each side in front. Abdomen extending rather beyond the hind wings. Wings rather broad, semihyaline, with two oblique aeneous-brown lines, and with a broad aeneous marginal band; first line antemedial; second postmedial, undulating, partly connected with the band; fringe cinereous, yellow at the base. Fore wings acute, with a brown mark near the base, with a short transverse brown mark near the outer side of the first line, and with an irregular elongated brown ringlet, which emits a line to the interior border. Length of the body 5 lines; of the wings 12 lines.

Mysol. In Mr. Saunders' collection.

#### BOTYS PROPINQUALIS.

Fœm. *Aurato-cinerea; palpi sat graciles, vix ascendentis, articulo 3o conico; alæ latiusculæ, subhyalinæ, lineis duabus fuscis angulosis, fascia marginali fuscescente; antice annulis duobus fuscis, linea 2a valde flexa.*

*Female.* Gilded cinereous. Palpi hardly ascending, rather slender, silvery white beneath towards the base, much shorter than the breadth of the head; third joint conical, about one-sixth of the length of the second. Pectus silvery white in front. Abdomen extending rather beyond the hind wings. Wings rather broad, slightly hyaline, with two zigzag oblique brown lines; first line antemedial; second postmedial; an irregular brownish marginal band. Fore wings acute; two brown ringlets between the lines, the second much larger than the first; second line very deeply bent; exterior border convex, rather oblique. Length of the body 5 lines; of the wings 12 lines.

Flores. In Mr. Saunders' collection.

#### BOTYS ? FLEXISSIMALIS.

Fœm. *Aeneo-albida; palpi aenei, porrecti, graciles, articulo minimo; antennæ gracillimæ; alæ latiusculæ, semihyalinæ, fascia marginali lata aeneo-fuscescente lineam albidaum valundulatam includente; antice lineis duabus fuscis, 1a basi 2a antemedia, plagiis duabus aeneo-fuscescensibus, 2a fuscata marginata; posticæ linea basali, gutta subcostali elongata maculaque posteriore fuscis.*

*Female.* Æneous-whitish, somewhat allied to the genus *Glyphodes*. Body beneath and legs silvery white. Palpi porrect, æneous, slender, silvery white beneath, extending very little beyond the head; third joint extremely small. Antennæ and legs very slender. Wings semihyaline, rather broad; a broad æneous-brownish marginal band including a deeply undulating whitish line, which is near and parallel to the inner border of the band. Fore wings acute, with two brown not oblique lines; first line very near the base; second antemedial; an æneous brownish patch between the lines; a middle patch of the same hue, bordered by two brown lines, which extend much beyond the patch; exterior border convex, rather oblique. Hind wings with a brown line near the base, with an elongated brown subcostal dot, and with a posterior brown spot which is contiguous to the band. Length of the body 5 lines; of the wings 12 lines.

#### Flores.

a, b. Java. Presented by the Secretary of the India Board.

#### BOTVS ACULEALIS.

Fœm. *Aurato-albida; palpi graciles, erecti, verticem paullo superantes, articulo 3o lanceolato; thorax antice æneo-fusco fasciatus; abdomen æneo-fusco fasciatum; ale lineis duabus fasciaque marginali excavata æneo-fuscis; anticæ litura basali annulisque duobus elongatis æneo-fuscis, linea 2a denticulata valde flexa.*

*Female.* Gilded whitish. Body beneath and legs silvery white. Palpi smooth, slender, erect, rising a little higher than the vertex; third joint lanceolate, a little more than half the length of the second. Thorax with an æneous-brown band in front. Abdomen æneous-brown at the tip, extending rather beyond the hind wings. Fore tibiæ towards the tips and fore knees æneous-brown. Wings with two æneous-brown oblique lines, and with an æneous-brown marginal band, which is excavated towards the interior angle in the fore wings and along nearly the whole length in the hind wings. Fore wings acute, with an æneous-brown transverse basal mark, and with two irregular elongated æneous-brown ringlets, of which the first interrupts the first line; second line denticulated, very much bent; exterior border convex, rather oblique. Length of the body 3 lines; of the wings 8 lines.

Sula. In Mr. Saunders' collection.

## BOTYS? MEGALOPSALIS.

**Mas.** *Aeneo-cinerea*; *caput fuscum vittatum*; *palpi fuscum, ascendentes, verticem non attingentes, articulo 3o minimo*; *thorax antice fuscum trimaculatus*; *abdomen longissimum*; *pedes longissimi, gracillimi*; *alæ lineis duabus fuscis dentatis, 2a valde undulata*; *antice vix acutæ, lituris duabus basalibus fuscis, linea 1a dilatata, linea fusa semiarcuata, macula subcostali magna nigra punctum album includente, fascia subapicali fusca brevi*.

**Male.** *Aeneous-cinereous*, slender. Body beneath and legs silvery cinereous. Head with a brown stripe. Palpi brown, ascending, applied to the head, not rising so high as the vertex; third joint extremely short. Antennæ long, smooth, slender. Thorax with three brown spots in front. Abdomen very long, extending for more than half its length beyond the hind wings; apical tuft small, elongate. Legs very long and slender. Wings with two dentate brown lines; first line antemedial; second postmedial, deeply undulating. Fore wings hardly acute; an irregular brown mark at the base and another near the base; first line dilated; a slender semicircular brown line near the outer side of a large round black subcostal spot, which contains a white point; a short brown subapical band; exterior border convex, very oblique. Length of the body 7 lines; of the wings 13 lines.

Closely allied to *B.?* *Trogusalis*.

Malacca. In Mr. Saunders' collection.

## BOTYS TRIFERALIS.

**Mas.** *Cervina*; *palpi ochracei, robusti, verticem vix superantes, articulo 3o conico*; *alæ aeneo nitentes*; *antice vix acutæ, purpureo suffusæ, fascia antemedia undulata fuscum marginata postice attenuata et abbreviata, gutta costali postmedia quadrata strigaque lata exteriore flavis; posticae cinereæ*.

**Male.** Fawn-colour. Body beneath and legs silvery white. Palpi ochraceous, stout, squamous, curved, hardly rising higher than the vertex; third joint conical, about one-fourth of the length of the length of the second. Antennæ pubescent. Fore tibiæ mostly ochraceous. Wings moderately broad, with aeneous reflections. Fore wings hardly acute, purple-tinged; a yellow antemedial undulating brown-bordered band, which is attenuated and abbreviated

**Female.** Aeneous-whitish, somewhat allied to the genus *Glyphodes*. Body beneath and legs silvery white. Palpi porrect, aeneous, slender, silvery white beneath, extending very little beyond the head; third joint extremely small. Antennæ and legs very slender. Wings semihyaline, rather broad; a broad aeneous-brownish marginal band including a deeply undulating whitish line, which is near and parallel to the inner border of the band. Fore wings acute, with two brown not oblique lines; first line very near the base; second antemedial; an aeneous brownish patch between the lines; a middle patch of the same hue, bordered by two brown lines, which extend much beyond the patch; exterior border convex, rather oblique. Hind wings with a brown line near the base, with an elongated brown subcostal dot, and with a posterior brown spot which is contiguous to the band. Length of the body 5 lines; of the wings 12 lines.

Flores.

a, b. Java. Presented by the Secretary of the India Board.

#### BOTYS ACULEALIS.

Fœm. *Aurato-albida*; palpi graciles, erecti, verticem paullo superantes, articulo 3o lanceolato; thorax antice aeneo-fusco fasciatus; abdomen aeneo-fusco fasciatum; alæ lineis duabus fasciisque marginali excavata aeneo-fuscis; anticæ litura basali annulisque duobus elongatis aeneo-fuscis, linea 2a denticulata valde flexa.

**Female.** Gilded whitish. Body beneath and legs silvery white. Palpi smooth, slender, erect, rising a little higher than the vertex; third joint lanceolate, a little more than half the length of the second. Thorax with an aeneous-brown band in front. Abdomen aeneous-brown at the tip, extending rather beyond the hind wings. Fore tibiae towards the tips and fore knees aeneous-brown. Wings with two aeneous-brown oblique lines, and with an aeneous-brown marginal band, which is excavated towards the interior angle in the fore wings and along nearly the whole length in the hind wings. Fore wings acute, with an aeneous-brown transverse basal mark, and with two irregular elongated aeneous-brown ringlets, of which the first interrupts the first line; second line denticulated, very much bent; exterior border convex, rather oblique. Length of the body 3 lines; of the wings 8 lines.

Sula. In Mr. Saunders' collection.

**Male.** Pale gilded ochraceous, very slender. Head cupreous in front. Palpi cupreous, broad, porrect, extending very little beyond the head; third joint extremely short. Antennæ smooth, slender, slightly ribbed. Abdomen extending for half its length beyond the hind wings; apical tuft very small. Legs long, very slender. Wings long, with a postmedial oblique nearly straight brown line, and with a marginal cupreous band; fringe white, interlined with brown at the base. Fore wings acute, with a cupreous costal stripe, which extends from the base to the postmedial line; two brown subcostal points; one near the base, the other antemedial; a brown middle line, which is slightly curved outward; exterior border hardly convex, very oblique. Length of the body 6 lines; of the wings 12 lines.

Mysol.

a, b. Ceram. From Mr. Wallace's collection.

#### BOTYS? PALPALIS.

**Mas.** Pallide aurato-flava; palpi graciles, erecti, verticem longe superantes, articulo 3o lanceolato 2o non breviore; abdomen alas posticas longe superans; alæ fasciis duabus fuscis angustis indeterminatis; postica fascia marginali lata fusca.

**Male.** Pale gilded yellow. Body beneath and legs silver white. Palpi slender, squamous, erect, rising much higher than the vertex; third joint lanceolate, as long as the second. Antennæ setulose. Abdomen extending much beyond the hind wings; apical tuft small. Legs rather slender. Wings with two narrow incomplete brown bands; one antemedial, the other postmedial. Fore wings acute; exterior border convex, rather oblique. Hind wing with a broad brown marginal band. Length of the body 5 lines; of the wings 12 lines.

a. Mysol. From Mr. Wallace's collection.

#### BOTYS CONFIXALIS.

**Fœm.** Albida; caput et thorax æneo-fusca; palpi æneo-fusi, graciles, oblique ascendentibus, articulo 3o conico; antennæ robustæ; pedes gracillimi; alæ semihyalinæ, fascia marginali purpurascente-cinerea; antica vitta costali purpurascente-cinerea, gutta antemedia strigaque postmedia fuscis; postica gutta antemedia fusca.

towards the interior border; a yellow quadrate postmedial costal dot and a more exterior broad yellow streak, which extends from the costa to the disk; exterior border slightly convex, very oblique. Hind wings cinereous. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

**Mysol.** In Mr. Saunders' collection.

#### BOTYS CANALIS.

**Fœm.** *Subæneo-cana, sat robusta; palpi erecti, pubescentes, ver-  
ticem non attingentes, articulo 3o lanceolato; antennæ gracil-  
limæ; abdomen alas posticas dimidio superans, segmentis  
albido marginatis; pedes longi, gracillimi; alæ subhyaline,  
lineis duabus fuscis obliquis subangulosis; antice angustæ, vix  
acutæ, linea 2a valde fracta, annulo subcostali fusco.*

**Female.** Hoary, rather stout, slightly æneous-tinged. Palpi erect, pubescent, not rising so high as the vertex; third joint lanceolate, much shorter than the second. Antennæ very slender. Abdomen extending for half its length beyond the hind wings; hind borders of the segments whitish. Legs long, very slender. Wings slightly hyaline, with two oblique slightly zigzag brown lines; first line antemedial; second postmedial. Fore wings narrow, hardly acute; second line widely dislocated; a subcostal brown ringlet in front of the hind end of the second line; exterior border hardly convex, very oblique. Length of the body 6 lines; of the wings 12 lines.

Most allied to *B. Damasalis*.

**a.** **Mysol.** From Mr. Wallace's collection.

#### BOTYS LEPTOMERALIS.

**Mas.** *Pallide aurato-ochracea, gracillima; caput antice cupreum;  
palpi cuprei, breves, lati, porrecti, articulo 3o minimo; an-  
tennæ graciles, subcostatae; abdomen alas posticas dimidio  
superans, fasciculo apicali minimo; pedes gracillimi; alæ  
longæ, linea postmedia fusca obliqua fere recta, fascia marginali  
cuprea, fimbria alba fusco interlineata; antice vitta costalis  
abbreviata cuprea, punctis duobus subcostalibus lineaque media  
subarcuata fuscis.*

*undulata semihyalina nigro marginata, fascia exteriore fasciaque marginali chalybaeo-cyaneis.*

**Male.** Aeneous-brown, slender. Body beneath and legs silvery white. Palpi slender, curved, not rising so high as the vertex; third joint conical, very minute. Abdomen extending much beyond the hind wings; apical tuft small. Wings elongate, with a broad whitish oblique undulating semihyaline band, which on the outer side is bordered by a black line and accompanied by a narrow chalybeous-blue band; a chalybeous-blue marginal band. Fore wings acute, the whitish band narrower than on the hind wings; exterior border convex, rather oblique. Length of the body 4 lines; of the wings 10 lines.

Ceram. In Mr. Saunders' collection.

#### BOTYS MEDIALIS.

Mas. Aeneo-fusca; palpi lati, porrecti, breves, articulo 3o lanceolato; alæ breviusculæ, lineis duabus fuscis subdentalis cinereis marginatis, lunulis marginalibus cinereis; antice subacute, annulo fusco, linea 2a undulata.

**Male.** Aeneous-brown, moderately stout. Body beneath and legs silvery cinereous. Palpi broad, squamous, porrect, very much shorter than the breadth of the head; third joint lanceolate, much shorter than the second. Antennæ pubescent. Abdomen extending much beyond the hind wings; apical tuft very small, slightly compressed. Wings rather stout, with two brown slightly dentate lines, which are cinereous-bordered on the outer side; first line antemedial; second postmedial; marginal lunules cinereous. Fore wings slightly acute, with a brown ringlet between the lines; second line undulating; exterior border slightly convex, moderately oblique. Length of the body 3 lines; of the wings 7 lines.

New Guinea. In Mr. Saunders' collection.

#### BOTYS LEPTOGASTRALIS.

Mas. Aeneo-albida, gracillima; caput et thorax anticus aeneo-fusca; palpi aeneo-fusci, porrecti, graciles, caput vix superantes; antennæ graciles, subsetulosæ; pedes longi, graciles; alæ perangustæ, subhyaline, linea marginali fusca, fimbria albida fusco interlineata.

**Male.** Aeneous-whitish, very slender. Body beneath and legs silvery white. Head and fore part of the thorax aeneous-brown. Palpi aeneous-brown, slender, porrect, hardly extending beyond the head, silvery white beneath; third joint very minute. Antennæ slender, minutely setulose. Abdomen lanceolate, extending for more than half its length beyond the hind wings; apical tuft compressed, very small. Legs long, slender. Wings very narrow, slightly hyaline; marginal line brown; fringe whitish, interlined with brown near the base. Fore wings acute; exterior border slightly convex, extremely oblique. Length of the body 6 lines; of the wings 11 lines.

New Guinea. In Mr. Saunders' collection.

#### BOTYS INHONESTALIS.

**Fœm.** *Cervina; palpi porrecti, breves, disjuncti, subtus argenteo-albi, articulo 3o acuto minimo; abdomen alas posticas paulo superans; pedes sat robusti; alæ lineis duabus fuscis angulosis cinereo marginatis; anticæ linea 2a valde undulata, punctis inter lineas duobus fuscis; posticæ cinereo-cervinæ.*

**Female.** Fawn-colour, cinereous beneath. Body beneath and legs silvery white. Palpi porrect, moderately broad, apart from each other, silvery white beneath, much shorter than the breadth of the head; third joint acute, very minute. Abdomen extending a little beyond the hind wings. Legs rather stout. Wings moderately broad, with two zigzag brown lines, which are cinereous-bordered on the outer side; first line antemedial; second postmedial. Fore wings acute; second line very deeply undulating; two brown points in the disk between the lines; exterior border hardly convex, moderately oblique. Hind wings cinereous fawn-colour. Length of the body 4½ lines; of the wings 12 lines.

Ternate. In Mr. Saunders' collection.

#### BOTYS INFERIORALIS.

**Fœm.** *Pallide ochracea; palpi cervini, porrecti, breves, latiusculi, articulo 3o minimo; antennæ gracillimæ; abdomen alas posticas sat superans; alæ sat angustæ, lineis duabus fuscescentibus denticulatis; anticæ annulis duobus fuscis, linea 2a flexa interrupta.*

*undulata semihyalina nigro marginata, fascia exteriore fasciaque marginali chalybaeo-cyanescens.*

**Male.** Aeneous-brown, slender. Body beneath and legs silvery white. Palpi slender, curved, not rising so high as the vertex; third joint conical, very minute. Abdomen extending much beyond the hind wings; apical tuft small. Wings elongate, with a broad whitish oblique undulating semihyaline band, which on the outer side is bordered by a black line and accompanied by a narrow chalybeous-blue band; a chalybeous-blue marginal band. Fore wings acute, the whitish band narrower than on the hind wings; exterior border convex, rather oblique. Length of the body 4 lines; of the wings 10 lines.

Ceram. In Mr. Saunders' collection.

#### BOTYS MEDIALIS.

**Mas.** Aeneo-fusca; palpi lati, porrecti, breves, articulo 3o lanceolato; alæ breviusculæ, lineis duabus fuscis subdentalis cinereo marginatis, lunulis marginalibus cinereis; antice subacute, annulo fuso, linea 2a undulata.

**Male.** Aeneous-brown, moderately stout. Body beneath and legs silvery cinereous. Palpi broad, squamous, porrect, very much shorter than the breadth of the head; third joint lanceolate, much shorter than the second. Antennæ pubescent. Abdomen extending much beyond the hind wings; apical tuft very small, slightly compressed. Wings rather stout, with two brown slightly dentate lines, which are cinereous-bordered on the outer side; first line antemedial; second postmedial; marginal lunules cinereous. Fore wings slightly acute, with a brown ringlet between the lines; second line undulating; exterior border slightly convex, moderately oblique. Length of the body 3 lines; of the wings 7 lines.

New Guinea. In Mr. Saunders' collection.

#### BOTYS LEPTOGASTRALIS.

**Mas.** Aeneo-albida, gracillima; caput et thorax anticus aeneo-fusca; palpi aeneo-fusci, porrecti, graciles, caput vix superantes; antennæ graciles, subsetulosæ; pedes longi, graciles; alæ perangustæ, subhyalinæ, linea marginali fusca, fimbria albida fusco interlineata.

**Male.** Æneous-whitish, very slender. Body beneath and legs silvery white. Head and fore part of the thorax æneous-brown. Palpi æneous-brown, slender, porrect, hardly extending beyond the head, silvery white beneath; third joint very minute. Antennæ slender, minutely setulose. Abdomen lanceolate, extending for more than half its length beyond the hind wings; apical tuft compressed, very small. Legs long, slender. Wings very narrow, slightly hyaline; marginal line brown; fringe whitish, interlined with brown near the base. Fore wings acute; exterior border slightly convex, extremely oblique. Length of the body 6 lines; of the wings 11 lines.

New Guinea. In Mr. Saunders' collection.

#### BOTYS INHONESTALIS.

**Fœm.** *Cervina; palpi porrecti, breves, disjuncti, subtus argenteo-albi, articulo 3o acuto minimo; abdomen alas posticas paulo superans; pedes sat robusti; alæ lineis duabus fuscis angulosis cinereo marginatis; anticæ linea 2a valde undulata, punctis inter lineas duobus fuscis; posticæ cinereo-cervinæ.*

**Female.** Fawn-colour, cinereous beneath. Body beneath and legs silvery white. Palpi porrect, moderately broad, apart from each other, silvery white beneath, much shorter than the breadth of the head; third joint acute, very minute. Abdomen extending a little beyond the hind wings. Legs rather stout. Wings moderately broad, with two zigzag brown lines, which are cinereous-bordered on the outer side; first line antemedial; second postmedial. Fore wings acute; second line very deeply undulating; two brown points in the disk between the lines; exterior border hardly convex, moderately oblique. Hind wings cinereous fawn-colour. Length of the body 4½ lines; of the wings 12 lines.

Ternate. In Mr. Saunders' collection.

#### BOTYS INFERIORALIS.

**Fœm.** *Pallide ochracea; palpi cervini, porrecti, breves, latiusculi, articulo 3o minimo; antennæ gracillimæ; abdomen alas posticas sat superans; alæ sat angustæ, lineis duabus fuscescentibus denticulatis; anticæ annulis duobus fuscis, linea 2a flexa interrupta.*

the hind wings. Wings broad, with a large blackish dot in the disk, and with an exterior brown denticulate deeply undulating line. Fore wings acute, with an antemedial brown denticulated line; exterior border convex, moderately oblique. Length of the body 5 lines; of the wings 12 lines.

Sula. In Mr. Saunders' collection.

#### BOTYS ILLATALIS.

**Mas.** *Aurato-flava; caput et thorax purpureo-fusca; oculi albo marginati; palpi purpureo-fusci, breves, lati, obtusi, sub-ascenderes, subtus argenteo-albi, articulo 3o minimo; antennæ glabrae, graciles; abdomen alas posticas longissime superans, fasciis duabus subapicalibus nigris albo marginatis; pedes gracillimi; alæ aenea, latiusculæ, lineis duabus fuscis obliquis; antica vitta postica lata aurato-flava, gutta transversa, lunula lineaque exteriore abbreviata fuscis; posticæ linea 2a valde abbreviata.*

**Male.** Gilded yellow. Body beneath and legs silvery white. Head and thorax purplish brown. Eyes white-bordered. Palpi purplish brown, broad, obtuse, slightly ascending, very much shorter than the breadth of the head, silvery white beneath; third joint extremely short. Antennæ smooth, slender. Abdomen long, tapering, extending very much beyond the hind wings; two black interrupted white-bordered bands near the tip; apical tuft small, elongate. Legs long, very slender. Wings aeneous, elongate, rather broad; two brown oblique lines; one antemedial, the other across the middle; fringe whitish, interlined with brown. Fore wings acute, purple-tinged along the costa, with a broad pale gilded yellow stripe along the interior border; a transverse brown dot near the outer side of the first line; a brown lunule forming the fore part of the second line; a third brown line much abbreviated towards the interior border; exterior border slightly convex, very oblique. Hind wings with the second line not extending beyond half the breadth from the costa. Length of the body 7 lines; of the wings 16 lines.

Sula. In Mr. Saunders' collection.

## BOTYS NOTATALIS.

**Fœm.** *Aeneo-cinerea; caput et thorax antice aeneo-fusca; palpi aeneo-fusci, late fimbriati, oblique ascendentes, basi subtus argenteo-albi, articulo 3o brevissimo; abdomen alas posticas longe superans, segmentis albo marginatis; alæ sat angustæ, lineis duabus angulosis interruptis fasciaque marginali aeneo-fuscis; anticæ annulo lineaque exteriore undulata aeneo-fuscis.*

**Female.** Aeneous-cinereous. Body beneath and legs silvery white. Head and fore part of the thorax aeneous-brown. Palpi aeneous-brown, broadly fringed, obliquely ascending, not rising higher than the vertex, silvery white beneath at the base; third joint extremely short. Abdomen extending much beyond the hind wings; hind borders of the segments white. Fore femora and fore tibiæ aeneous-brown. Wings rather narrow, with two aeneous-brown interrupted zigzag lines, and with an aeneous-brown marginal band, which is broadest in the fore wings; fringe cinereous. Fore wings acute; a third aeneous-brown undulating line joining the hind part of the band, which is dilated about the interior angle; an aeneous-brown ringlet forming part of the second line; exterior border slightly convex, very oblique. Length of the body 5 lines; of the wings 11 lines.

**Mysol.** In Mr. Saunders' collection.

## BOTYS CONJUNCTALIS.

**Mas.** *Aurato-albida; caput et thorax antice aeneo-fusca; palpi aeneo-fusci, porrecti, breves, graciles, fimbriati, subtus basi argenteo-albi, articulo 3o minimo; abdomen alas posticas sat superans, apicem versus aeneo-fuscum, fasciculo apicali compresso minimo; alæ latiusculæ, lineis duabus angulosis pallide aeneis fasciaque marginali aeneo-fuscis; anticæ gutta, lunula vittaque costali aeneo-fuscis, linea 2a valde flexa.*

**Male.** Gilded whitish, slender. Body beneath and legs silvery white. Head and fore part of the thorax aeneous-brown. Palpi aeneous-brown, porrect, slender, fringed, silvery white beneath, much shorter than the breadth of the head; third joint extremely short. Antennæ pubescent. Abdomen aeneous-brown towards the tip, extending rather beyond the hind wings; apical tuft compressed, very

the hind wings. Wings broad, with a large blackish dot in the disk, and with an exterior brown denticulate deeply undulating line. Fore wings acute, with an antemedial brown denticulated line; exterior border convex, moderately oblique. Length of the body 5 lines; of the wings 12 lines.

*Sula*. In Mr. Saunders' collection.

#### BOTYS ILLATALIS.

*Mas.* *Aurato-flava*; *caput et thorax purpureo-fusca*; *oculi albo marginati*; *palpi purpureo-fusci*, *breves*, *lati*, *obtusi*, *sub-ascondentes*, *subitus argenteo-albi*, *articulo 3o minimo*; *antennæ glabrae*, *graciles*; *abdomen alas posticas longissime superans*, *fasciis duabus subapicalibus nigris albo marginatis*; *pedes gracillimi*; *alæ aenea*, *latiusculæ*, *lineis duabus fuscis obliquis*; *antice vitta postica lata aurato-flava*, *gutta transversa*, *lunula lineaque exteriore abbreviata fuscis*; *posticæ linea 2a valde abbreviata*.

*Male.* Gilded yellow. Body beneath and legs silvery white. Head and thorax purplish brown. Eyes white-bordered. Palpi purplish brown, broad, obtuse, slightly ascending, very much shorter than the breadth of the head, silvery white beneath; third joint extremely short. Antennæ smooth, slender. Abdomen long, tapering, extending very much beyond the hind wings; two black interrupted white-bordered bands near the tip; apical tuft small, elongate. Legs long, very slender. Wings aeneous, elongate, rather broad; two brown oblique lines; one antemedial, the other across the middle; fringe whitish, interlined with brown. Fore wings acute, purple-tinged along the costa, with a broad pale gilded yellow stripe along the interior border; a transverse brown dot near the outer side of the first line; a brown lunule forming the fore part of the second line; a third brown line much abbreviated towards the interior border; exterior border slightly convex, very oblique. Hind wings with the second line not extending beyond half the breadth from the costa. Length of the body 7 lines; of the wings 16 lines.

*Sula*. In Mr. Saunders' collection.

## BOTYS NOTATALIS.

**Fœm.** *Aeneo-cinerea; caput et thorax antice æneo-fusca; palpi æneo-fusci, late fimbriati, oblique ascendentis, basi subtus argenteo-albi, articulo 3o brevissimo; abdomen alas posticas longe superans, segmentis albo marginatis; alæ sat angustæ, lineis duabus angulosis interruptis fasciaque marginali æneo-fuscis; anticæ annulo lineaque exteriore undulata æneo-fuscis.*

**Female.** Aeneous-cinereous. Body beneath and legs silvery white. Head and fore part of the thorax æneous-brown. Palpi æneous-brown, broadly fringed, obliquely ascending, not rising higher than the vertex, silvery white beneath at the base; third joint extremely short. Abdomen extending much beyond the hind wings; hind borders of the segments white. Fore femora and fore tibæ æneous-brown. Wings rather narrow, with two æneous-brown interrupted zigzag lines, and with an æneous-brown marginal band, which is broadest in the fore wings; fringe cinereous. Fore wings acute; a third æneous-brown undulating line joining the hind part of the band, which is dilated about the interior angle; an æneous-brown ringlet forming part of the second line; exterior border slightly convex, very oblique. Length of the body 5 lines; of the wings 11 lines.

**Mysol.** In Mr. Saunders' collection.

## BOTYS CONJUNCTALIS.

**Mas.** *Aurato-albida; caput et thorax antice æneo-fusca; palpi æneo-fusci, porrecti, breves, graciles, fimbriati, subtus basi argenteo-albi, articulo 3o minimo; abdomen alas posticas sat superans, apicem versus æneo-fuscum, fasciculo apicali compresso minimo; alæ latiusculæ, lineis duabus angulosis pallide æneis fasciaque marginali æneo-fuscis; anticæ gutta, lunula villaque costali æneo-fuscis, linea 2a valde flexa.*

**Male.** Gilded whitish, slender. Body beneath and legs silvery white. Head and fore part of the thorax æneous-brown. Palpi æneous-brown, porrect, slender, fringed, silvery white beneath, much shorter than the breadth of the head; third joint extremely short. Antennæ pubescent. Abdomen æneous-brown towards the tip, extending rather beyond the hind wings; apical tuft compressed, very

small. Wings rather broad, with two slender zigzag pale æneous lines, and with an æneous-brown marginal band. Fore wings acute, with an antemedial æneous-brown dot and an æneous-brown lunule, which are connected with a costal stripe of the same hue; second line very deeply bent; exterior border slightly convex, rather oblique. Length of the body 4 lines; of the wings 11 lines.

Sula. New Guinea. In Mr. Saunders' collection.

#### BOTYS SCOPULALIS.

Fœm. *Cinereo-fusca; palpi porrecti, latissime fimbriati, subtus basi argenteo-albi, capitis latitudine non breviores, articulo 3o linoari; alæ lineis duabus denticulatis obscure fuscis, punctis marginalibus nigricantibus; antice purpurascente suffusa, striga fusca transversa, linea 2a valde flexa.*

*Female.* Cinereous-brown, more cinereous beneath. Palpi porrect, very broadly fringed, silvery white beneath towards the base, as long as the breadth of the head; third joint linear, not fringed, about one-third of the length of the second. Maxillary palpi broadly fringed. Abdomen extending rather beyond the hind wings. Wings moderately broad, with two dark brown denticulated lines, and with blackish marginal points. Fore wings acute, purplish-tinged, with the second line very much bent, its flexure nearly contiguous to a transverse brown streak in the disk; exterior border convex, moderately oblique. Hind wings a little paler than the fore wings. Length of the body 3 lines; of the wings 8 lines.

Flores. In Mr. Saunders' collection.

#### BOTYS ? DISPARALIS.

Fœm. *Argenteo-alba, crassa; palpi cervini, porrecti, breves, gracieles, articulo 3o lanceolato; antennæ sat robustæ; thorax antice cervinus; abdomen alas posticas longe superans, vittù duabus latis æneo-cervinis; tibiæ fimbriatae; alæ longæ, angustæ, fascia æneo-cervina lata marginali antice abbreviata; antice costa, margine interiore fasciisque tribus (2a interrupta) æneo-cervinis.*

*Female.* Silvery white, very stout. Palpi fawn-colour, slender, porrect, much shorter than the breadth of the head; third joint lanceolate, less than half the length of the second. Antennæ rather stout. Thorax fawn-coloured in front. Abdomen extending much

beyond the hind wings, with two broad æneous fawn-coloured stripes. Legs rather slender; tibiæ fringed; tarsi and fore tibiæ with pale fawn-coloured bands. Wings long, narrow, with a broad æneous fawn-coloured marginal band, which is abbreviated towards the costa. Fore wings acute, æneous fawn-colour along the interior border, except towards the base and along the costa; three irregular bands of the same hue, the second widely interrupted in the disk; exterior border slightly convex, extremely oblique. Length of the body 6 lines; of the wings 18 lines.

**Sula.** In Mr. Saunders' collection.

#### BOTYS BIANNULALIS.

**Mas.** *Ochracea; palpi porrecti, breves, subitus argenteo-albi, articulo 3o conico; antennæ graciles, pubescentes, longiusculæ; alæ sat angustæ, lineis duabus denticulatis marginaque exteriore obscurioribus, fimbria obscure cinerea; anticæ annulis duobus obscurioribus, linea 2a valde flexa.*

**Male.** Ochraceous. Body beneath and legs gilded whitish. Palpi porrect, silvery white beneath, very much shorter than the breadth of the head; third joint conical, very minute. Antennæ slender, pubescent, rather long. Legs slender. Wings elongate, rather narrow, darker towards the exterior border and with two darker denticulated lines; marginal points blackish, not concise; fringe dark cinereous. Fore wings acute; two darker ringlets between the lines; second line much bent; exterior border convex, very oblique. Length of the body 4? lines; of the wings 10 lines.

**Sula.** In Mr. Saunders' collection.

#### BOTYS? SEMIFEDALIS.

**Fœm.** *Aurato-flava, sat robusta; palpi porrecti, breves, pilosi, articulo 3o lanceolato; pedes validi; alæ anticæ latiusculæ, dimidio exteriore fusco conspurcatæ, striga longitudinali albida, guttis duabus elongatis nigricantibus, punctis marginibus nigris elongatis.*

**Female.** Gilded yellow, rather stout. Palpi porrect, pilose, not longer than half the breadth of the head; third joint lanceolate, much shorter than the second. Antennæ slender. Legs rather stout. Wings elongate, rather broad. Fore wings acute, suffused

with brown on half the length from the exterior border; a whitish longitudinal streak in the disk, excavated by two elongated blackish dots; marginal points black, elongated; exterior border slightly convex, moderately oblique. Length of the body 5 lines; of the wings 14 lines.

Sula. In Mr. Saunders' collection.

#### BOTYS OPHICERALIS.

**Mas.** *Eneo-fusca, crassa; oculi albo cincti; palpi porrecti, breves, latissimi, articulo 3o lanceolato gracili; antennæ basi bicornutæ et serpentinæ; abdomen alas posticas longe superans, fasciculo apicali gracili compresso; tarsi postici basi squamoso fasciculati; alæ longæ, purpureo nitentes.*

**Male.** Eneous-brown, very stout. Head and fore part of the thorax ochraceous. Eyes white-bordered. Palpi porrect, squamous, very broad, very much shorter than the breadth of the head; third joint lanceolate, slender. Antennæ undulating near the base, which is furnished with two short horns, slightly incrassated at one-sixth of the length. Abdomen extending much beyond the hind wings; apical tuft slender, compressed. Legs rather stout; hind tarsi with a thick squamous tuft at the base. Wings long, purple-tinged. Fore wings acute; exterior border hardly convex, very oblique. Length of the body 6 lines; of the wings 17 lines.

**a. Java.** Presented by the Secretary of the India Board.

#### BOTYS TRUNCATALIS.

**Fœm.** *Cinereo-fusca; caput, thorax antice et abdomen basi subochracea; oculi albo cincti; palpi erecti, brevissimi, latissimi; abdomen lineare, apice albidum, alas posticas plus dimidio superans; alæ angustæ, subpurpurascentes; antice littera transversa plaque magna exteriore nigricantibus.*

**Female.** Cinereous-brown. Body beneath and legs silvery whitish. Head and thorax dull ochraceous. Eyes white-bordered. Palpi erect, very broad and short, silvery white beneath; third joint extremely small. Antennæ slender. Pectus silvery white in front. Abdomen linear, dull ochraceous towards the base, extending for more than half its length beyond the hind wings, whitish at the tip. Wings narrow, purplish-tinged. Fore wings acute, with a small transverse blackish mark at the end of the areolet, and with a very

large exterior blackish patch. Hind wings with the exterior border truncated along half the length from the interior angle; interior border fringed with very long pale ochraceous hairs. Length of the body 7 lines; of the wings 13 lines.

a. Java. Presented by the Secretary of the India Board.

#### BOTYS CONTIGUALIS.

Fœm. *Cinereo-fusca; palpi breves, lati, oblique ascendentis, subtus argenteo-albi, articulo 3o minimo; alæ amplæ, æneo purpureoque nitentes, lineis duabus fuscis, fimbria alba basi fusca; anticæ linea 2a effracta, gutta lunulaque inter lineas albidis fusco marginatis; posticæ linea 2a valde abbreviata.*

*Female.* Cinereous-brown. Body beneath and legs silvery white. Palpi broad, obliquely ascending, silvery white beneath, hardly rising as high as the vertex; third joint extremely short. Antennæ slender. Abdomen extending rather beyond the hind wings. Wings ample, with æneous and purple reflections; two brown lines; first line antemedial, slightly curved outward; second postmedial, much dislocated in the fore wings, much abbreviated towards the interior border in the hind wings; fringe white, brown at the base. Fore wings acute; a whitish elongated brown-bordered dot and a whitish brown-bordered lunule between the lines; exterior border convex, moderately oblique. Length of the body 6 lines; of the wings 15 lines.

a. Java. Presented by the Secretary of the India Board.

#### BOTYS SUBJUNCTALIS.

Fœm. *Cinereo-fusca, æneo nitens; palpi oblique ascendentis, subtus argenteo-albi, articulo 3o brevissimo; abdomen alas posticas dimidio fere superans; alæ amplæ, purpureo nitentes, lineis duabus fuscis, 1a abbreviata, 2a disjuncta albido marginata, puncto antemedio albo, fimbria alba basi fusca; anticæ lunula alba fusco marginata; posticæ fimbria apud angulum interiorem fusca.*

*Female.* Cinereous-brown, tinged with æneous. Body beneath and legs silvery white. Palpi hardly broad, obliquely ascending, silvery white beneath, not rising higher than the vertex; third joint extremely short. Antennæ slender. Abdomen extending for almost half its length beyond the hind wings. Wings ample, with æneous

and purple reflections; two brown lines; second line much dislocated in the middle, whitish-bordered on the outer side; a white antemedial point in the disk, on the outer side of the first line; fringe white, brown towards the base. Fore wings acute; first line much abbreviated towards the costa; a white brown-bordered lunule in the disk; exterior border convex, moderately oblique. Hind wings with the first line extending from the costa to the white point in the disk; fringe wholly brown towards the interior angle. Length of the body 6½ lines; of the wings 15 lines.

a. Java. Presented by the Secretary of the India Board.

#### BOTYS IMBUTALIS.

*Fœm.* *Pallide cinerea; palpi oblique ascendentis, articulo 3o brevissimo; abdomen alas posticas longe superans; alæ ample, aeneo purpureoque nitentes, lineis duabus subobscurioribus indistinctis diffusis, 2a disjuncta; anticæ striga transversa pallide fusca.*

*Female.* Pale cinereous. Body beneath and legs silvery white. Palpi moderately stout, obliquely ascending, not rising higher than the vertex; third joint extremely short. Antennæ slender. Abdomen extending much beyond the hind wings. Wings ample, with aeneous and purple reflections; two indistinct diffuse slightly darker lines; first line antemedial; second postmedial, much dislocated. Fore wings acute, with a transverse pale brown streak in the disk between the lines; exterior border convex, slightly oblique. Length of the body 6 lines; of the wings 16 lines.

a. Java. Presented by the Secretary of the India Board.

#### BOTYS MARGARONIALIS.

*Fœm.* *Argenteo-alba; palpi robusti, arcuati, ascendentis, apice nigricantes, articulo 3o brevissimo; alæ punctis marginalibus fuscis; anticæ gutta disci fusca, costa nigra; posticæ punctis marginalibus posticis fere obsoletis.*

*Female.* Silvery white. Palpi stout, squamous, curved, applied to the head, blackish towards the tips, not rising higher than the vertex; third joint extremely short. Abdomen extending much beyond the hind wings. Legs long, slender; fore tarsi black, except the base of each joint; posterior tarsi pale brownish, except the base of each joint. Wings elongate, with brown marginal points. Fore

wings acute, with a little transversely elongated brown dot at the end of the areolet; costa black; exterior border very slightly convex, very oblique. Hind wings with the marginal points almost obsolete towards the interior angle. Length of the body 7 lines; of the wings 15 lines.

a. Java. Presented by the Secretary of the India Board.

#### BOTYS INTERFUSALIS.

Fœm. *Pallide ochracea; oculi albo marginati; palpi obscuriores, porrecti, subtus argenteo-albi, articulo 3o acuto minimo; abdomen alas posticas dimidio superans; alæ subauratae, purpureo nitentes, fascia marginali subobscuriore; antice lineis duabus angulosis subobscuriорibus, 1a abbreviata, 2a valde flexa; postice linea postmedia subobscuriore arcuata abbreviata, fascia marginali attenuata abbreviata.*

*Female.* Pale ochraceous. Body beneath and legs silvery white. Eyes white-bordered. Palpi deeper ochraceous, porrect, rostriform, silvery white beneath, shorter than the breadth of the head; third joint acute, very minute. Antennæ slender. Abdomen extending for half its length beyond the hind wings. Fore tibiæ with an ochraceous band. Wings slightly gilded, purple-tinged, with a slightly darker marginal band. Fore wings acute, with two zigzag slightly darker lines; first line antemedial, abbreviated towards the costa; second much bent; exterior border slightly convex, moderately oblique. Hind wings with a postmedial outward-curved slightly darker line, which is abbreviated at each end; marginal band tapering hindward, not extending beyond half the length of the exterior border from the costa. Length of the body 6 lines; of the wings 31 lines.

a—c. Java. Presented by the Secretary of the India Board.

#### BOTYS BASISTRIGALIS.

Fœm. *Pallide cinerea; corpus pallide ochraceum; caput subtus pectusque argenteo-alba; palpi sat graciles, oblique ascendentibus, articulo 3o acuto minimo; abdomen alas posticas dimidio superans, segmento 2o fuscobipunctato; alæ subhyalinæ, apud marginem exteriorem nigricante subconspersæ, linea nigricante postmedia diffusa denticulata effracta, puncto antemedio*

*nigro'; posticæ linea antemedia nigricante diffusa, lunula nigra.*

**Female.** Pale cinereous. Body pale ochraceous. Head beneath and pectus silvery white. Palpi rather slender, obliquely ascending, not rising higher than the vertex; third joint acute, very minute. Abdomen extending for half its length beyond the hind wings, with a brown point on each side of the fore border of the second segment. Wings slightly hyaline, diffusely blackish-speckled towards the exterior border, and with a diffuse postmedial denticulated blackish line, which is much dislocated in the disk; a black antemedial point. Fore wings acute, with a diffuse blackish line on the inner side of the point and with a black lunule beyond the point; a brown costal streak extending along half the length from the base; exterior border slightly convex, moderately oblique. Length of the body  $6\frac{1}{2}$  lines; of the wings 13 lines.

a. Java. Presented by the Secretary of the India Board.

#### BOTYS SIGNALIS.

Fœm. *Aurato-flava; caput et thorax anticus ochracea; palpi ochracei, porrecti, subitus argenteo-albi, articulo 3o minimo; alæ macula antemedia argenteo-albida fusco marginata, linea postmedia fusca angulosa undulata, fascia marginali purpurascente-fusco marginata, fimbria ochracea; antice costa subochracea, linea antemedia fusca angulosa, macula exterior argenteo-albida fusco marginata.*

**Female.** Gilded yellow. Body beneath and legs silvery white. Head, palpi and fore part of the thorax ochraceous. Palpi porrect, rostriform, silvery white beneath, much shorter than the breadth of the head; third joint very minute. Wings elongate; an antemedial silvery whitish brown-bordered spot; a brown postmedial zigzag deeply undulating line; a purplish marginal band, which is zigzag and brown-bordered on its inner side; fringe ochraceous. Fore wings acute; costa dull ochraceous; a brown zigzag line on the inner side of the first spot; a larger silvery whitish brown-bordered spot beyond the first; exterior border convex, moderately oblique. Length of the body 6 lines; of the wings 14 lines.

a. Java. Presented by the Secretary of the India Board.

## BOTYS AMENALIS.

**Mas.** *Aurato-flava; palpi porrecti, rostriformes, ochraceo uniguttati, subtus argenteo-albi, articulo 3o minimo; thorax ochraceo conspersus; abdominis segmenta ochraceo conspersa; alae basi ochraceo conspersae, linea postmedia ochracea angulosa undulata, fascia submarginali rosea fusco flavoque marginata, fascia marginali ochracea angusta fusco marginata, fimbria argenteo-alba basi nigro lineata; antica peracute, linea antemedia ochracea angulosa, plaga magna purpurea.*

**Male.** Bright gilded yellow. Body beneath and legs silvery white. Palpi porrect, rostriform, silvery white beneath, with an ochraceous dot on the outer side, much shorter than the breadth of the head; third joint acute, very minute. Antennæ pubescent. Thorax ochraceous-speckled. Abdomen extending much beyond the hind wings; hind borders of the segments white. Wings ochraceous-speckled towards the base; an ochraceous postmedial zigzag deeply undulating line; a rosy submarginal band, which is bordered on the inner side by an undulating brown line and on the outer side by a gilded yellow line; the latter divided by a very slender brown line from a narrow ochraceous marginal band; fringe silvery white, with a black festoon at its base. Fore wings very acute, with a zigzag antemedial ochraceous line and with a large purple patch in the disk; exterior border slightly convex, moderately oblique. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

**a. Java.** Presented by the Secretary of the India Board.

## BOTYS EFFUSALIS.

**Mas.** *Aurato-flava, robusta; palpi nigri, breves, subdecumbentes, basi flavi, articulo 3o lanceolato; antennæ sat validæ; abdomen alas posticas longe superans; alae breviusculæ, dimidio basali lineisque duabus angulosis interruptis nigricantibus, punctis marginalibus nigris; antice vix acutæ.*

**Male.** Gilded yellow, stout. Body beneath and legs silvery white. Palpi moderately broad, slightly decumbent, black on the outer side, except towards the base, much shorter than the breadth of the head; third joint lanceolate, less than one-third of the length of the second. Antennæ rather stout. Abdomen extending much beyond the hind wings; apical tuft rather large. Legs slender. Wings rather short, blackish on nearly half the surface from the

base, the outline of this hue very irregular; two zigzag exterior blackish lines, which are especially incomplete in the hind wings; marginal points black. Fore wings hardly acute; exterior border convex, slightly oblique. Length of the body  $5\frac{1}{2}$  lines; of the wings 12 lines.

a, b. Java. Presented by the Secretary of the India Board.

#### BOTYS OCHRACEALIS.

*Mas. Ochracea; palpi lati, porrecti, subtus argenteo-albi, articulo 3o conico; antennæ vix pubescentes; pectus antice argenteo-album; abdomen alas posticas vix superans, segmentorum quatuor posticorum marginibus anticis obscurioribus; ale late, lineis duabus angulosis annuloque obscurioribus, punctis submarginalibus fuseis elongatis, fimbria cinerea fusco interlineata; anticæ linea 2a annuloque fusco nebulosa, linea antemedia obscuriore obliqua, punto fusco.*

*Male.* Ochraceous. Palpi broad, porrect, silvery white beneath, shorter than the breadth of the head; third joint conical, very minute. Antennæ hardly pubescent. Pectus silvery white in front. Abdomen hardly extending beyond the hind wings; fore borders of the four last segments deeper ochraceous; apical tuft small. Legs pale gilded yellow. Wings broad, with two zigzag undulating deeper ochraceous lines; an irregular ochraceous ringlet on the inner side of the first; a submarginal line of elongated brown points; fringe cinereous, interlined with brown. Fore wings acute; an oblique antemedial deeper ochraceous line, with a brown point on its outer side; the ringlet and the second line beyond it clouded with brown; submarginal points less elongated than those of the hind wings; exterior border convex, slightly oblique. Hind wings with a brown apical patch. Length of the body  $5\frac{1}{2}$  lines; of the wings 13 lines.

a. Java. Presented by the Secretary of the India Board.

#### BOTYS ALBIFIMBRIALIS.

*Fæm. Subochracea; oculi albo cincti; palpi porrecti, peracuti, subtus argenteo-albi, capitis latitudine non breviores, articulo 3o lanceolato; ale latiusculæ, linea fusca postmedia angulosa valde flexa, linea marginali diffusa obscure fusca, fimbria alba basi obscure fusca; antice peracute, linea antemedia arcuata*

*lituraque fuscis ; posticæ fimbria apud angulum interiorem pallide ochracea.*

**Female.** Dull ochraceous. Body beneath and legs silvery white. Eyes white-bordered. Palpi porrect, rostriform, very acute, silvery white beneath, as long as the breadth of the head; third joint lanceolate, about one-third of the length of the second. Abdomen extending much beyond the hind wings. Wings rather broad, with a brown postmedial zigzag much bent line; a diffuse dark brown marginal line; fringe white, dark brown at the base. Fore wings very acute, with an outward-curved antemedial brown line, and with a little transverse brown mark between the lines; exterior border nearly straight, slightly oblique. Hind wings with the fringe pale ochraceous towards the interior angle. Length of the body 5 lines; of the wings 11 lines.

—c. Java. Presented by the Secretary of the India Board.

#### BOTYS RETRACTALIS.

**Fœm.** *Pallide cinereo-cervina ; oculi albo cincti ; palpi fusi, lati, oblique ascendentibus, subtus argenteo-albi, articulo 3o brevissimo ; abdomen pallide ochraceum ; aæneo subnitentes, linea postmedia fusca angulosa albido marginata valde arcuata, linea marginali fusca diffusa ; anticæ linea antemedia subarcuata albido marginata lunulaque fuscis.*

**Female.** Pale cinereous fawn-colour. Body beneath and legs silvery white. Eyes white-bordered. Palpi brown, broad, obliquely ascending, silvery white beneath, not rising higher than the vertex; third joint extremely short. Abdomen pale ochraceous, extending much beyond the hind wings. Fore tibiae and fore tarsi with black tips; posterior tibiae sometimes blackish-striped. Wings moderately broad, slightly æneous-tinged, with a brown zigzag postmedial line, which is bordered with whitish on the outer side, and is very deeply curved inward behind the middle; a diffuse brown marginal line; fringe cinereous, interlined with fawn-colour near the base. Fore wings acute; a brown antemedial line, which is slightly curved outward and is whitish-bordered on the inner side; a brown point and a brown lunule between the lines; exterior border slightly convex, moderately oblique. Length of the body 5 lines; of the wings 12 lines.

—c. Java. Presented by the Secretary of the India Board.

## BOTYS IMMUNDALIS.

**Fœm.** *Cinereo-cervina ; palpi porrecti, sat graciles, subtus argenteo-albi, articulo 3o conico ; abdominis segmenta albido marginata ; alæ linea postmedia dentata valde undulata punctaque marginalibus fuscenscentibus diffusis, puncto disci fuso ; anticæ linea antemedia fuscenscente angulosa, lunula disci fusca.*

**Female.** Cinereous fawn-colour, more cinereous beneath. Body beneath and legs silvery white. Palpi porrect, rather slender, much shorter than the breadth of the head, silvery white beneath; third joint conical, minute. Abdomen extending much beyond the hind wings; hind borders of the segments whitish. Wings with a brownish postmedial dentate diffuse deeply undulating line; a brown point in the disk; marginal points brownish, diffuse; fringe cinereous, interlined with pale brown near the base. Fore wings acute, with an antemedial zigzag brownish line; a brown lunule in the disk; exterior border slightly convex, moderately oblique. Length of the body 5 lines; of the wings 11 lines.

a. Java. Presented by the Secretary of the India Board.

## BOTYS SUAVALIS.

**Fœm.** *Flava ; oculi albo marginati ; palpi porrecti, rostriformes, subtus argenteo-albi, capitis latitudine non breviores, articulo 3o lanceolato, 2i dimidio longiore ; alæ latiusculæ, linei duabus denticulatis pallide purpurascentibus, fimbria flavescente-alba basi ochracea ; anticæ vitta costali abbreviata, linea antemedia angulosa punctaque pallide purpurascentibus.*

**Female.** Yellow. Body beneath and legs silvery white. Eyes white-bordered. Palpi porrect, rostriform, silvery white beneath, as long as the breadth of the thorax; third joint lanceolate, more than half the length of the second. Wings rather broad, with two pale purplish lines, which are much more denticulated in the fore wings than in the hind wings; fringe yellowish white, ochraceous towards the base. Fore wings acute, pale purplish along the costa from the base to beyond half the length; a zigzag pale purplish line near the base, with a point of the same hue near its outer side; exterior border slightly convex and oblique. Length of the body 4 lines; of the wings 10 lines.

a. Java. Presented by the Secretary of the India Board.

## BOTYS MINUALIS.

**Fœm.** *Aurato-flava ; palpi fuscescentes, porrecti, breves, obtusi, subtus argenteo-albi, articulo 3o brevissimo ; alæ lineis duabus subdenticulatis, fascia marginali fimbriaque æneo-fuscis, linea 2a valde undulata ; antice vitta costali abbreviata æneo-fusca, puncto lituraque reniformi albis fusco marginatis, fascia marginali apud angulum interiore dilatata ; posticæ fascia marginali angulum interiore non attingente.*

**Female.** Gilded yellow. Body beneath and legs silvery white. Palpi porrect, obtuse, brownish on the outer side, silvery white beneath, much shorter than the breadth of the head; third joint extremely short. Abdomen extending somewhat beyond the hind wings. Wings with two slightly denticulated æneous-brown lines, and with a marginal band of the same hue, as is also the fringe; second line deeply undulating. Fore wings acute, with an æneous-brown costal stripe, which extends along three-fifths of the length from the base; a white brown-bordered point and an exterior white brown-bordered reniform mark; marginal band dilated about the interior angle; exterior border slightly convex, moderately oblique. Hind wings with the marginal band attenuated hindward, dilated near the interior angle, to which it does not extend. Length of the body 3 lines; of the wings 8 lines.

This species has much resemblance to *B. signatalis*, from which it may be distinguished by its much smaller size and by the difference in the marginal band.

**a. Java.** Presented by the Secretary of the India Board.

## BOTYS ACERRIMALIS.

**Fœm.** *Aurato-flava ; oculi albo marginati ; palpi æneo-fusci, porrecti, subtus argenteo-albi, articulo 3o acuto minimo ; abdomen apicem versus æneo-fuscum strigis duabus albis interruptis, segmentis albo marginatis ; alæ lineis duabus rectis fasciaque marginali lineam nigram includente æneo-fuscis, fimbria argenteo-alba ; antice peracutæ, vitta costali squamoso fimbriata strigaque subcostali transversa æneo-fuscis ; posticæ linea 1a valde abbreviata, 2a interrrupta.*

**Female.** Gilded yellow. Body beneath and legs silvery white. Eyes white-bordered. Palpi æneous-brown, porrect, silvery white beneath, shorter than the breadth of the head; third joint acute,

very minute. Abdomen extending much beyond the hind wings; hind borders of the segments silvery white; apical part æneous-brown, with two white interrupted streaks. Wings with two straight æneous-brown lines, and with an æneous-brown marginal band, which is attenuated hindward and includes a black line; fringe silvery white. Fore wings very acute, with an æneous-brown costal stripe, which is squamous-fringed for half the length from the base; a little transverse subcostal æneous-brown streak between the lines, which converge hindward; exterior border slightly convex and oblique. Hind wings with the first line much abbreviated hindward; second interrupted. Length of the body 4 lines; of the wings 10 lines.

a. Java. Presented by the Secretary of the India Board.

#### BOTYS INDUCTALIS.

Fœm. *Pallide ochracea; palpi fuscescentes, oblique ascendentes, articulo 3o conico minimo; abdomen fascia subapicali purpurascente-fusca; alæ latiusculæ, lineis tribus ochraceis angulosis, fascia submarginali purpurascente-fusca, punctis marginibus nigris; anticae subacutæ, punto ochraceo, annulo fusco, fascia submarginali costam versus retracta; postice linea 1a punctiformi, 3a postice abbreviata.*

*Female.* Pale ochraceous. Palpi moderately broad, obliquely ascending, brownish on the outer side, not rising higher than the vertex; third joint conical, very minute. Abdomen extending rather beyond the hind wings, with a subapical purplish brown band. Legs silvery whitish. Wings rather broad, with three ochraceous zigzag lines, and with a purplish brown submarginal band; marginal points black. Fore wings slightly acute, with an ochraceous point between the first and second lines, and with an irregular brown ringlet joining the outer side of the second line; third line joining the hind part of the submarginal band, which is retracted towards the costa; exterior border slightly convex, rather oblique. Hind wings with the first line represented by a point; third abbreviated hindward. Length of the body 4 lines; of the wings 10 lines.

a. Java. Presented by the Secretary of the India Board.

#### BOTYS APERTALIS.

Fœm. *Aurato-flava, sat robusta; palpi porrecti, sat graciles, subtus argenteo-albi, articulo 3o minimo; alæ latiusculæ,*

*puncto antemedio lineaque postmedia vix denticulata valde arcuata fuscis; anticæ vix acutæ, linea antemedia vix denticulata guttaque fuscis, fascia marginali fuscescente diffusa; posticæ linea marginali fuscescente diffusa.*

**Female.** Gilded yellow, rather stout. Body beneath and legs silvery white. Palpi porrect, rather slender, silvery white beneath, much shorter than the breadth of the head; third joint very minute. Abdomen extending much beyond the hind wings. Fore femora and fore tibiæ with brownish tips. Wings rather broad, with a postmedial hardly denticulated brown line, of which the middle part is much curved outward; an antemedial brown point. Fore wings hardly acute, with a brown dot beyond the point, between which and the base there is a hardly denticulated brown line; a diffuse brownish marginal band; exterior border slightly convex and oblique. Hind wings with a diffuse brownish marginal line. Length of the body 3 lines; of the wings 8 lines.

a. Java. Presented by the Secretary of the India Board.

#### BOTYS DECISALIS.

**Fœm.** *Straminea, fuscescente conspersa; palpi fuscescentes, porrecti, subitus argenteo-albi, caput vix superantes, articulo 3o conico; alæ lineis duabus denticulatis lineaque marginali fuscis, fimbria fuscescente fusco interlineata; anticæ peracute, striga transversa fusca, linea 2a valde flexa; posticæ linea 2a postice abbreviata.*

**Female.** Pale buff-colour, minutely speckled with pale brownish. Body beneath and legs silvery white. Palpi porrect, brownish on the outer side, silvery white beneath, hardly extending beyond the head; third joint conical, very minute. Fore tibiæ with brown tips. Wings whitish beneath; two denticulated brown lines; first line antemedial; second postmedial; a brown marginal line; fringe brownish, interlined with brown. Fore wings very acute; a transverse brown streak between the lines; second line very much bent; exterior border slightly convex and oblique. Hind wings with the second line abbreviated towards the interior border. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

a. Java. Presented by the Secretary of the India Board.

## BOTYS SUBLITURALIS.

**Mas.** *Pallide cinereo-straminea; palpi porrecti, graciles, breves, subtus argenteo-albi, articulo 3o minimo; antennae valide, pubescentes; abdominis fasciculus apicalis compressus, minimus; alas latiusculæ, linea antemedia subrecta lineaque postmedia subdenticulata valde undulata pallidissime fuscescensibus; anticæ puncto lunulaque pallidissime fuscescensibus.*

**Male.** Pale cinereous buff-colour. Body beneath and legs silvery white. Palpi porrect, slender, silvery white beneath, much shorter than the breadth of the head; third joint very minute. Antennæ pubescent, rather stout. Abdomen extending somewhat beyond the hind wings; apical tuft compressed, very small. Wings rather broad, with a postmedial slightly denticulated deeply undulating very pale brownish line, and with an antemedial nearly straight line of the same hue. Fore wings acute, with a point and a lunule between the lines and like them in colour; exterior border slightly convex and oblique. Length of the body 4 lines; of the wings 10 lines.

a. Java. Presented by the Secretary of the India Board.

## BOTYS PLAGIFERALIS.

**Fœm.** *Argenteo-alba; palpi graciles, arcuati, oblique ascenderes, apices versus fuscii, articulo 3o lanceolato; thorax aeneo fasciatus et trimaculatus; abdomen alas posticas longe superans; alas latiusculæ, semihyalinæ, subauratae, lineis duabus latis fasciaque marginali informi bimaculata fuscis, linea 1a subarcuata; anticæ strigis duabus fuscis basalibus transversis, litura inter lineas fusca lata transversa, linea 2a bipunctata postice furcata.*

**Female.** Silvery white. Palpi slender, curved, obliquely ascending, brown towards the tips, not rising higher than the vertex; third joint lanceolate, about one-third of the length of the second. Thorax with an aeneous band and with three aeneous spots in front. Abdomen extending much beyond the hind wings. Fore femora, fore tibie and fore tarsi with brown tips. Wings semihyaline, rather broad, slightly gilded, and with slight purple reflections; two broad brown lines, and a broad brown irregular marginal band which contains two spots of the ground hue; first line slightly curved

outward; fringe interlined with brown. Fore wings acute, with two brown irregular transverse streaks very near the base; a broad brown transverse mark between the first line and the second, which contains two points of the ground hue and is forked towards the interior border, the outer fork joining the marginal band; exterior border slightly convex and oblique. Length of the body 4 lines; of the wings 10 lines.

This species has much resemblance to the genus *Glyphodes*.

*a, b.* Java. Presented by the Secretary of the India Board.

#### BOTYS? CHROMALIS.

**Mas.** Pallide aurato-flava; palpi obtusi, subascendentes, fusco fasciati, articulo 3a brevissimo; antennæ setulosæ, basin versus dense fimbriatæ; thorax ferrugineo trimaculatus; abdomen ochraceum, alas posticas dimidio superans, apice compressum ferrugineum albido trilineolatum, fascia tenui abbreviata nigra, fascis duabus angustis subapicalibus argenteo-albis maculas duas atras includentibus; tibiae anticae æneo-fuscae, dilatatae, squamosæ; tarsi antici articulo 1o subdilatato æneo-fusco fasciato; alæ lineis tribus purpureo-fuscis, 1a antice furcata; antica linea 2a antice dilatata strigam arcuatam includente postice furcata, 3a fracta, fascia marginali strigisque duabus basalibus fuscis; postica linea 2a lata postice attenuata, 3a abbreviata, linea marginali obscure fusca.

**Male.** Pale gilded yellow. Palpi slightly ascending, moderately stout, much shorter than the breadth of the head; second joint with a brown band near the tip; third rounded, very short. Antennæ stout, setulose, densely fringed above for one-fifth of the length near the base. Thorax with three ferruginous spots in front. Pectus silvery white in front. Abdomen ochraceous, extending for half its length beyond the hind wings; a narrow abbreviated black band on the hind border of the third segment; two narrow silvery white bands near the tip, including between them two deep black spots; first band interrupted; second dilated and conical in the middle; tip compressed, ferruginous, with three whitish longitudinal lines. Fore tibiæ æneous-brown, dilated, squamous; first joint of the fore tarsi slightly dilated, with an æneous-brown band. Wings with three irregular purplish brown lines, which converge hindward; first line forked towards the costa; fringe brownish, white at the base. Fore wings acute, with two irregular brown streaks near the

base; second line much dilated in front, and including a curved streak of the ground hue, forked hindward; third dislocated in the middle, its hind part joining at each end a marginal brown band, which is continued along the apical part of the interior border; exterior border hardly convex, rather oblique. Hind wings with the second line broad, irregularly attenuated hindward; third abbreviated at some distance from the interior angle; a darker brown marginal line. Length of the body 6 lines; of the wings 12 lines.

a. Java. Presented by the Secretary of the India Board.

#### BOTYS? COLUMBALIS.

Fœm. *Cinereo-fusca, aeneo nitens; caput album; palpi albi, lati, oblique ascendentes, cinereo-fusco late marginati, articulo 3o brevissimo; antennæ longiusculæ, gracillimæ; alæ latiusculæ, linea marginali fusca, fimbria albida fusco interlineata; anticae purpureo nitentes, apice rotundatae, striga costali late auralo-flava strigaque subcostali alba connexis.*

*Female.* Cinereous-brown, tinged with aeneous. Body beneath and legs silvery white. Head white. Palpi white, broad, obliquely ascending, with a broad cinereous-brown band on the outer side, not rising higher than the vertex; third joint extremely short. Antennæ very slender, rather long. Abdomen extending much beyond the hind wings. Legs slender. Wings rather broad, with a brown marginal line; fringe whitish, interlined with brown. Fore wings rounded at the tips, slightly purple-tinged, with a broad gilded yellow costal streak, which is connected along its hind side with a shorter white iridescent streak; exterior border convex, slightly oblique. Length of the body 6 lines; of the wings 13 lines.

a. Java. Presented by the Secretary of the India Board.

#### BOTYS ACUMINATALIS.

Fœm. *Fusca; oculi albo marginati; palpi porrecti, lati, brevi, subtus nivei; abdominis segmenta albo marginata; alæ elongatae, punctis marginalibus nigris; anticae linea alba undulata, striatis tribus cinereis longitudinalibus, la puncta dua nigrae includente, 3a brevi; posticæ basi cinereæ, gutta subcostali nigricante, linea alba recta.*

*Female.* Brown, rather stout. Head white about the eyes. Palpi porrect, broad, short, pure white beneath. Antennæ slender.

Pectus and legs silvery white. Abdomen extending beyond the hind wings; hind borders of the segments white; under side cinereous. Wings elongate; marginal points black; under side brownish cinereous. Fore wings acute, with a white undulating line, which extends from nearly three-fourths of the length of the costa to the middle of the interior border; three cinereous longitudinal streaks between the line and the base; first streak near the costa, commencing opposite two-thirds of the length of the second, and containing two black points; third short, near the interior border; exterior border slightly convex, very oblique. Hind wings with a straight white line, cinereous towards the base, with a blackish dot near the costa. Length of the body  $6\frac{1}{2}$  lines; of the wings 14 lines.

a. —— ?

#### BOTYS CRASSICORNIS.

**Mas.** *Rufescens; palpi porrecti; antennæ crassæ, glabrae; abdomen argenteo-cinereum, alas posticas longe superans; alæ anticae apice subrotundatae, fascia media flava intus dentata extus subundulata, spatio marginali flavescente, costa apicem versus ochracea, punctis marginalibus strigaque apicali diffusa fusca; posticae albidae, semihyalinae, fuscō late marginatae.*

**Male.** Reddish, silvery cinereous beneath. Palpi porrect, shorter than the breadth of the head. Antennæ thick, smooth. Abdomen silvery cinereous, extending much beyond the hind wings; apical tuft elongate. Fore wings slightly rounded at the tips, with a yellow not oblique middle band, which is dentate on the outer side and slightly undulating on the inner side; marginal space dull yellow; costa ochraceous towards the tip; marginal points brown; a brown oblique diffuse apical streak; exterior border convex, moderately oblique. Hind wings whitish, iridescent, semihyaline, broadly bordered with brown. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

a. —— ?

BOTYS MELONALIS, C. L. H. xviii. 702.

Scopula Nititisalis, C. L. H. xviii. 773.

## Genus EBULEA, C. L. H. xviii. 741.

EBULEA CATALAUNALIS, C. L. H. xviii. 743.

a. Spain. From Dr. H.-Schæffer's collection.

## EBULEA STACHYDALIS, C. L. H. xviii. 745.

a—c. Central Germany. From Dr. H.-Schæffer's collection.

## Genus HOMOPHYSA, C. L. H. xviii. 750.

## HOMOPHYSA FULMINALIS.

fulminalis, Ld. Wien. Ent. Mon. vii. 487, pl. 18, f. 13.

North America.

## Genus PIONEA, C. L. H. xviii. 752.

## PIONEA CRUENTALIS, C. L. H. xviii. 754.

a, b. Turkey. From Dr. H.-Schæffer's collection.

c. Constantinople.

## PIONEA LIMBALIS, C. L. H. xviii. 755.

a. Germany. From Dr. H.-Schæffer's collection.

## PIONEA INORNATALIS.

Fœm. *Pallide flavescente-cinerea; palpi porrecti, pilosi, robusti, capitū latitudine breviores, articulo 3o lanceolato; abdomen alas posticas sat superans; alas punctis marginalibus fuscis; anticæ costa venisque fusco conspersis, striga postica brevi lineaque exteriore diffusa fuscis obliquis, macula discali nigricante; posticæ pallide cinereæ, semihyalinæ, æneo marginatæ.*

*Female.* Pale yellowish cinereous, slender. Palpi pilose, perfect, rather stout, shorter than the breadth of the head; third joint lanceolate, about half the length of the second. Antennæ slender. Abdomen extending rather beyond the hind wings. Legs smooth slender. Wings with brown marginal points. Fore wings minutely brown-speckled along the costa and on the veins, with

short oblique brown streak extending from the disk to the interior border at one-third of the length of the latter, with a blackish spot at the end of the areolet, and with an exterior oblique diffuse brown line, which is nearly parallel to the exterior border and is forked towards the costa; exterior border slightly convex, rather oblique. Hind wings pale cinereous, iridescent, semihyaline, æneous along the exterior border. Length of the body  $3\frac{1}{2}$  lines; of the wings 10 lines.

**♂.** St. Domingo. From Mr. Tweedie's collection.

**PIONEA? FUSCIPALPALIS.**

**Fœm.** *Pallide straminea; palpi fusi, porrecti, rostriformes, capitis latitudine longiores, articulo 3o lanceolato; abdomen alas posticas dimidio superans; alæ sat angustæ, punctis marginalibus nigris; anticæ fusco subconspersæ, annulo subcostali antemedio elongato, plaga postmedia lineaque exteriore brevi dentata fuscis; posticæ albidae.*

**Female.** Pale straw-colour. Palpi brown, porrect, rostriform, acute, longer than the breadth of the head; third joint lanceolate, not more than one-third of the length of the second. Abdomen extending for half its length beyond the hind wings. Legs smooth, moderately stout; fore legs brown. Wings rather narrow; marginal points black. Fore wings acute, thinly brown-speckled, with an elongated subcostal antemedial brown ringlet, with a brown transverse postmedial patch, and with a short dentate more exterior brown line; exterior border slightly convex, very oblique. Hind wings whitish. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

**♀.** Bogota. From Mr. Stevens' collection.

Genus **OROBÆNA**, *C. L. H.* xviii, 763.

**OROBÆNA SOPHIALIS**, *C. L. H.* xviii. 763.

**—d.** Ratisbon. From Dr. H.-Schæffer's collection.

**OROBÆNA FRUMENTALIS**, *C. L. H.* xviii. 764.

**♂.** S. Germany. From Dr. H.-Schæffer's collection.

**OBROBENA ISATIDALIS, C. L. H. xviii. 765.**

a. Wiesbaden. From Dr. H.-Schæffer's collection.

**Genus SPILODES, C. L. H. xvii. 766.****SPILODES CLATHRALIS, C. L. H. xviii. 768.**

a. South Russia. From Dr. H.-Schæffer's collection.

**Genus SCOPULA, C. L. H. xviii. 774.****SCOPULA ALPINALIS, C. L. H. xviii. 776.**

a, b. Alps. From Dr. H.-Schæffer's collection.

**SCOPULA MONTICOLALIS.****monticolalis, Delahey.**

a, b. Alps. From Dr. H.-Schæffer's collection.

**SCOPULA NYCTEMERALIS, C. L. H. xviii. 781.**

a, b. Eastern Bavaria. From Dr. H.-Schæffer's collection.

**SCOPULA RHODODENDRONALIS, C. L. H. xviii. 777.**

a—d. Austrian Alps. From Dr. H.-Schæffer's collection.

**SCOPULA ELUTALIS, C. L. H. xviii. 780.**

a, b. Ratisbon. From Dr. H.-Schæffer's collection.

**SCOPULA INQUINATALIS, C. L. H. xviii. 781.**

a. Lapland. From Dr. H.-Schæffer's collection.

**SCOPULA FULVALIS, C. L. H. xviii. 782.**

a, b. Central Germany. From Dr. H.-Schæffer's collection.

**SCOPULA PODINALIS.**

Botys fodinalis, *Ld. Wien. Ent. Mon.* vii. 369, pl. 8, f. 9.  
California.

## SCOPULA COMMIXTALIS.

**Fem.** *Cinerea, nigricante conspersa; palpi porrecti, subtus albi, capitis latitudine paullo breviores, articulo 3o longi-conico; alæ anticae latiusculæ, strigis nigris, una furcata, linea exteriore dentata nigra, linea duplicita e guttis nigricantibus marginalibus; posticæ cinereæ, linea media obscuriore obliqua dentata diffusa.*

**Female.** Cinereous. Body beneath, abdomen and legs silvery white. Head, thorax and most part of fore wings thickly blackish-speckled. Palpi porrect, smooth, moderately broad, white beneath towards the base, a little shorter than the breadth of the head; third joint elongate-conical, minute. Antennæ slender. Abdomen not extending beyond the hind wings. Legs smooth, slender; fore legs dark cinereous above. Fore wings acute, rather broad, with a few irregular black streaks, of which one in the disk beyond the middle is forked; a more exterior dentate oblique black line; a double row of marginal blackish dots; exterior border hardly convex, moderately oblique. Hind wings cinereous, with a darker diffuse dentate oblique middle line. Length of the body 4 lines; of the wings 10 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

## SCOPULA MARGINALIS.

*Ferruginea; palpi porrecti, lati, capitis latitudine vix breviores, articulo 3o parvo acuto; abdomen cinereum; alæ latiusculæ, linea obliqua cinerea; anticae nigricantes, albido marginatae; posticæ cinereæ, fere hyalinae, fusco late marginatae.*

Ferruginous. Body beneath and legs silvery white. Palpi porrect, smooth, broad, white beneath, nearly as long as the breadth of the head; third joint acute, minute. Abdomen cinereous. Legs smooth, slender. Wings rather broad, with a cinereous line, which extends from the end of the interior border of the hind wings to four-fifths of the length of the costa of the fore wings; under side mostly cinereous. Fore wings hardly acute; exterior border slightly convex, moderately oblique. Length of the body 4 lines; of the wings 9 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

## SCOPULA CALIGINOSALIS.

*Mas.* *Fusca*; *palpi porrecti, lanceolati, subtus albi, capitis latitudine non breviores, articulo 3o parvo lanceolato*; *abdomen cano conspersum, alas posticas paulo superans; alae late, obscure cervinæ, fascia marginali fusca; anticae cano conspersæ, fascia lineisque duabus undulatis e atomis canis, orbiculari annuliformi et reniformi fuscis.*

*Male.* Brown. Body beneath and legs silvery white. Palpi porrect, smooth, lanceolate, white beneath, as long as the breadth of the head; third joint lanceolate, not more than one-fourth of the length of the second. Antennæ very minutely pubescent. Abdomen minutely hoary-speckled, extending a little beyond the hind wings; apical tuft moderately large. Legs smooth; fore legs mostly brown above. Wings broad, dull fawn-colour, with a brown marginal band. Fore wings acute, with numerous minute hoary speckles, which are confluent in the middle part of the wing and form a broad irregular band, which has on each side of it an undulating line also formed by the speckles; orbicular and reniform marks brown, the former represented by an elongated ringlet, the latter of the usual form; exterior border slightly convex, moderately oblique. Length of the body 6 lines; of the wings 14 lines.

a. Nova Scotia. From Lieut. Redman's collection.

## SCOPULA? STIPATALIS.

*Fœm.* *Pallide flava; oculi albo cincti; palpi graciles, errecti, verticem paulo superantes, articulo 3o albo lanceolato, abdomen alas posticas non superans, segmentis albo marginatis; alæ anticae apice subrotundatae, lituris nonnullis lineisque duabus undulatis albis; posticae albae, linea media indeterminata fasciaque submarginali abbreviata lineam albam inclinante flavis.*

*Female.* Pale yellow. Body beneath and legs white. Head white about the eyes. Palpi white, erect, slender, rising a little higher than the vertex; second joint yellow on the outer side; third lanceolate, much shorter than the second. Abdomen not extending beyond the hind wings; hind borders of the segments white. Fore wings slightly rounded at the tips, with several irregular white marks and with two undulating white lines; first line antemedial, second postmedial; exterior border convex, very slightly oblique.

Hind wings white, with an incomplete yellow middle line, and with a yellow submarginal band, which is much abbreviated in front and contains an undulating white line. Length of the body 3 lines; of the wings 9 lines.

**a, b.** North America. From Mr. Carter's collection.

#### SCOPULA FERVIDALIS.

**Fœm.** *Rufescens; palpi porrecti, rostriformes, capitis latitudine fere duplo longiores, articulo 3o lanceolato 2i dimidio longiore; alæ antice, angustæ, peracute, lineis duabus flavescentibus, 1a angulosa, 2a angulata, punctis marginalibus nigricantibus albo notatis, striga apicali alba; posticæ ochraceæ, fimbria rufescente.*

**Female.** Reddish, shining. Body beneath and legs silvery white. Palpi porrect, rostriform, nearly twice longer than the breadth of the head; second joint white beneath, except at the tip; third lanceolate, more than half the length of the second. Antennæ slender. Abdomen extending beyond the hind wings. Wings narrow. Fore wings very acute, with two yellowish lines; first line antemedial, zigzag; second postmedial, forming an outward angle; marginal points blackish, slightly white-bordered, the subapical one accompanied by a white streak; exterior border slightly convex, very oblique. Hind wings ochraceous; fringe reddish. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

**a.** St. Domingo. From Mr. Tweedie's collection.

#### SCOPULA? PRODIGALIS.

**Fœm.** *Æneo-cervina; abdomen aurato-flavum, alas posticas longe superans; pedes gracillimi; alas antice plaga postica basali lineaque postmedia obliqua undulata flavis, punctis marginalibus argenteo-albis nigro notatis; postica aurato-flavæ.*

**Female.** Æneous fawn-colour, slender. Body beneath and legs silvery white. Abdomen, hind wings and under side of fore wings gilded yellow. Abdomen extending much beyond the hind wings. Legs long, very slender. Fore wings acute, moderately broad, with a yellow patch on the base of the interior border, and with an undulating oblique yellow line at three-fourths of the length; marginal points silvery white, black-marked; exterior border slightly

convex, rather oblique. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

a, b. St. Domingo. From Mr. Tweedie's collection.

#### SCOPULA? COMPTALIS.

Fœm. *Cervina*; abdomen pallide cervinum, alas posticas paulo superans; alæ basi flavae, linea basali fusca angulosa, linea exteriore flava angulosa albo fuscoque marginata, punctis marginalibus nigris albo marginatis; antice acutæ, punctis duobus reniformique fusca angusta contiguis; postice puncto discali nigro.

*Female.* Fawn-colour. Body beneath and legs silvery white. Abdomen pale fawn-colour, extending a little beyond the hind wings. Wings yellow towards the base, with a zigzag brown line near the base, with an exterior zigzag yellow line, which is bordered with white and with brown, and with black marginal points, which are white-bordered. Fore wings acute; reniform mark brown, narrow, accompanied by two black points, the smaller one in front of the other; three white costal points near the tip; exterior border straight, slightly oblique. Hind wings with a black point in the disk before the middle. Length of the body 5 lines; of the wings 12 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### SCOPULA? PARALLELALIS.

Fœm. *Rosea*; fasciculus frontalis productus; palpi porrecti, capitis latitudine longiores, articulo 3o parvo; abdomen ochraceo-cinereum, alas posticas longe superans; pedes longi; aleantice lineis duabus flavis rectis parallelis non obliquis; portice albidae.

*Female.* Rosy red. Frontal tuft prominent. Palpi porrect, stout, longer than the breadth of the head; third joint lanceolate, less than one-fourth of the length of the second. Antennæ stout. Abdomen ochraceous-cinereous, lanceolate, extending much beyond the hind wings; oviduct exserted. Legs long, slender; hind legs whitish on the inner side. Fore wings acute, with two yellow straight parallel not oblique lines; one at a little beyond one-third of the length, the other at rather beyond two-thirds

of the length; exterior border almost straight, hardly oblique. Hind wings whitish. Length of the body 5 lines; of the wings 12 lines.

Bogota. In Mr. Birchall's collection.

#### SCOPULA BOGOTALIS.

**Mas.** *Cervina; palpi porrecti, rostriformes, subtus albi, capitis latitudine paullo longiores, articulo 3o lanceolato; abdomen pallide cinereum; alæ anticæ pallide cinereo-cervinæ, linea postmedia fusca obliqua dentata, margine exteriore perobliqua; posticæ pallide cinereæ, subcervino marginatæ.*

**Male.** Fawn-colour. Body pale cinereous beneath. Palpi porrect, rostriform, white beneath, a little longer than the breadth of the head; third joint lanceolate, about half the length of the second. Antennæ setose. Abdomen pale cinereous. Legs slender, whitish. Fore wings acute, pale cinereous fawn-colour, with a brown oblique acutely dentate line at three-fourths of the length; exterior border slightly convex, very oblique. Hind wings pale cinereous, slightly tinged with fawn-colour about the exterior border. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

**a.** Bogota. From Mr. Stevens' collection.

#### SCOPULA SUBROSEALIS.

**Mas.** *Pallide rosea; palpi lanceolati, disjuncti, subdecumbentes, capitis latitudine paullo longiores, articulo 3o acuto minimo; tibiae posticæ rufescente fimbriatae; alæ anticæ lineis duabus nigricantibus vix undulatis, fimbria nigricante; posticæ pallide flavæ, costa, linea postmedia fimbriaque roseis.*

**Male.** Pale rosy red, pale yellow beneath. Palpi smooth, lanceolate, slightly decumbent, apart from each other, a little longer than the breadth of the head; third joint acute, very small. Antennæ stout, pubescent. Pectus reddish on each side. Abdomen with a very small apical tuft. Legs smooth, not long; hind tibiae fringed with reddish hairs. Fore wings acute, with two slender hardly undulating blackish lines; one antemedial, the other post-medial; fringe blackish. Hind wings pale yellow, rosy along the costa, with a rosy line at three-fourths of the length and with a rosy fringe. Length of the body 4 lines; of the wings 9 lines.

**a.** Lamas, Honduras. Presented by H. T. Stainton, Esq.

## SCOPULA? INCLUSALIS.

**Mas.** *Pallide lutea; oculi albo cincti; palpi ochracei, porrecti, rostriformes, subtus albi, articulo 3o lanceolato 2i dimidio vix breviore; alas semihyalinae, sat angustae; anticae subacute, lineis duabus fuscouscentibus postice connexis, la subangulosa, 2a flexa anteice punctulari, reniformi fusco marginalata, costa marginaque exteriore cervinis, linea marginali fusca, venis ochraceis; postica albida, linea subtus submarginali fusca punctulari, punctus subtus nigris marginalibus.*

**Male.** Pale luteous. Body silvery white beneath. Head white along the eyes. Palpi ochraceous, porrect, rostriform, white beneath; third joint lanceolate, nearly half the length of the second. Antennæ pubescent. Legs smooth, slender. Wings semihyaline, rather narrow. Fore wings slightly acute, with two irregular brownish lines, which are connected with each other on the interior border, but are very remote towards the costa; first line antemedial, slightly zigzag; second much bent outward, composed of points, except towards the interior border; veins ochraceous; reniform mark fawn-colour, oblique, brown-bordered; costa, except towards the tip, and exterior border fawn-coloured; marginal line brown; exterior border hardly convex, moderately oblique. Hind wings whitish; under side with a submarginal line of brown points and with black marginal points. Length of the body 4 lines; of the wings 10 lines.

a. Limas, Honduras. Presented by H. T. Stainton, Esq.

## SCOPULA? LIMASALIS.

**Mas.** *Læte ochracea; oculi albo cincti; palpi porrecti, lati, rostriformes, capitis latitudine breviores, articulo 3o minimo; abdomen alas posticas paullo superans; alas anticae lineis duabus angulosis indistinctis fasciaque submarginali purpureo-fuscis; postica fascia marginali purpureo-fusca.*

**Male.** Bright ochraceous. Eyes white-bordered. Palpi porrect, broad, rostriform, white beneath towards the base, shorter than the breadth of the head; third joint very minute. Abdomen extending a little beyond the hind wings; apical tuft moderately large. Fore legs deep red, with three white bands, one on the tibia and two on the tarsi. Fore wings acute, with two indistinct zigzag purplish brown lines, and with a purplish brown submarginal band

Hind wings with a purplish brown marginal band. Length of the body  $3\frac{1}{2}$  lines; of the wings 8 lines.

a, b. Limas, Honduras. Presented by H. T. Stainton, Esq.

#### SCOPULA ? DETERALIS.

Fœm. *Cinereo-fusca ; palpi porrecti, pilosi, capitis latitudine vix breviores, articulo 3o lanceolato, 2o non breveiore ; abdomen alas posticas paullo superans, segmentis albido marginatis ; alæ anticae elongatae, fascia media fusca undulata nigricante marginata, linea exteriore nigra denticulata subundulata cinereo marginata, linea submarginali cinerea angulosa indistincta, punctis marginalibus nigricantibus ; posticæ æneo-cinereæ, puncto nigricante, fascia marginali fusca.*

*Female.* Cinereous-brown, cinereous beneath. Palpi porrect, pilose, nearly as long as the breadth of the head; third joint lanceolate, as long as the second. Antennæ slender. Abdomen extending a little beyond the hind wings; hind borders of the segments whitish. Legs slender. Fore wings acute, elongate, with a middle dark brown undulating blackish-bordered band; an exterior black denticulated slightly undulating line, which is cinereous-bordered on the outer side; submarginal line zigzag, indistinct; marginal points blackish; exterior border slightly convex, rather oblique. Hind wings æneous-cinereous, with a blackish discal point and with a brown marginal band. Length of the body 3 lines; of the wings 9 lines.

a. Venezuela. From Mr. Dyson's collection.

#### SCOPULA ORDINATALIS.

Mas. *Ochracea ; palpi breves, porrecti, lati, rostriformes, articulo 3o minimo ; abdomen alas posticas longe superans, fasciculo apicali albido ; alæ lineis tribus fuscous subangulosis ; anticae linea exteriore fuscenscente.*

*Male.* Ochraceous, silvery white beneath. Palpi porrect, broad, rostriform, silvery white beneath towards the base, much shorter than the breadth of the head; third joint very minute. Antennæ minutely pubescent. Abdomen extending much beyond the hind wings; apical tuft whitish, small. Legs silvery white, moderately stout; fore tibæ and fore tarsi with dark cupreous bands, two on the tibæ and two on the tarsi. Wings with three slightly

zigzag brownish lines. Fore wings acute, with a fourth exterior brownish line; exterior border slightly convex, rather oblique. Length of the body 4 lines; of the wings 9 lines.

a. Honduras. From Mr. Miller's collection.

#### *SCOPULA PERMIXTALIS.*

*Fem.* Pallide ochracea; palpi porrecti, pilosi, basi subte  
argenteo-albi, articulo 3o lanceolato; abdomen argenteo-  
albidum, alas posticas paullo superans; alæ antice linea  
duabus abbreviatis e punctis fuscis elongatis, 1a obliqua, 2a  
valde arcuata, fascia marginali informi abbreviata subtrate  
ochracea, punctis marginalibus fuscis; posticae albæ, subhy-  
linea. *Mas?*—Alæ antice fusco subconsperse, linea 1a ferè  
obsoleta, 2a integra denticulata, fascia marginali diffusa non  
abbreviata; posticae apud marginem exteriorem sordide och-  
racea, linea marginali obscure fusca.

*Female.* Pale ochraceous. Body beneath and legs silvery white. Palpi porrect, pilose, silvery white beneath at the base, shorter than the breadth of the head; third joint lanceolate, about one-fourth of the length of the second. Abdomen silvery whitish, extending a little beyond the hind wings. Fore wings acute, with two lines which are composed of elongated brown points; first line antemedial, oblique, much abbreviated; second postmedial, abbreviated, much curved outward; veins and an irregular abbreviated marginal band deeper ochraceous; marginal points brown; exterior border convex, moderately oblique. Hind wings white, slightly hyaline. *Male?*—Fore wings slightly and very minutely brown-speckled; first line almost obsolete; second entire, denticulated; marginal band diffuse, not abbreviated. Hind wings tinged with dingy ochraceous about the exterior border; marginal line dark brown. Length of the body 3 lines; of the wings 8 lines.

Brazil. In Mr. Saunders' collection.

#### *SCOPULA FOEDALIS.*

*Mas.* Cervina; fasciculus frontalis porrectus, acutus; palpi  
oblique ascendentis, articulo 2o fimbriato, 3o conico; abdomen  
alas posticas perpaullo superans; alæ linea marginali fuscæ  
antice fusco consperse, apud marginem exteriorem fuscæ  
nebulosæ, linea submarginali cervina subangulosa, punctis  
marginalibus fuscis, reniformi magna pallide cinerea.

**Male.** Fawn-colour, cinereous beneath. Frontal tuft porrect, acute. Palpi obliquely ascending, not rising higher than the vertex; second joint with a short thick fringe above and beneath; third conical, not more than one-sixth of the length of the second. Antennæ setose. Abdomen extending very little beyond the hind wings; apical tuft very small. Legs smooth. Wings with a brown marginal festoon. Fore wings acute, brown-speckled, clouded with brown towards the exterior border; submarginal line fawn-colour, slightly zigzag; marginal points brown; reniform mark large, pale cinereous; three pale cinereous costal points beyond the middle; exterior border slightly convex, moderately oblique. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

#### SCOPULA SEMIROSEALIS.

**Mas.** Pallide flavæ; palpi porrecti, rostriformes, pilosi, capitis latitudine non breviores, articulo 3o lanceolato; thoracis latera antica rosea; alæ antice albidae, basi flavescentes, fascia lata antemedia, plaga magna costali fasciaque marginali roseis; postica albidae, linea submarginali arcuata flavescente.

**Male.** Pale yellow, whitish beneath, rather stout. Palpi porrect, rostriform, pilose, as long as the breadth of the head; third joint lanceolate, less than half the length of the second. Maxillary palpi less than half the length of the labial palpi. Antennæ slender, minutely crenulated. Thorax rosy on each side in front. Fore wings acute, whitish, except at the base, with a broad antemedial rosy band, which is connected with a large rosy costal patch, the latter extending nearly to a rosy marginal band; exterior border convex, moderately oblique. Hind wings whitish, with a curved yellowish submarginal line. Length of the body 4 lines; of the wings 10 lines.

a. South Africa. Presented by Sir A. Smith.

#### SCOPULA FERRISCRIPITALIS.

**Mas.** Ochracea; oculi flavescente cincti; palpi porrecti, rostriformes, articulo 3o brevi lanceolato; antennæ pubescentes, via serratæ; abdomen alas posticus vix superans; alæ fimbria chalybæo-cinerea; antice strigis longitudinalibus lineaque

*submarginali pallide flavescensibus, fasciis duabus chalybeis  
antice furcatis; postice fascia submarginali chalybea.*

**Male.** Ochraceous. Head pale yellowish about the eyes. Abdomen, hind wings and under side pale cinereous-yellow. Palpi prorect, rostriform, nearly as long as the breadth of the head; third joint lanceolate, about one-fourth of the length of the second. Antennæ pubescent, very minutely serrated. Abdomen hardly extending beyond the hind wings. Wings with a chalybeous-cinereous fringe. Fore wings acute, with some pale yellowish longitudinal streaks, which extend from the base along three-fourths of the length, and with a pale yellowish submarginal line; two chalybeous bands, which are forked in front; exterior border almost straight, rather oblique. Hind wings with an irregular dull chalybeous submarginal band. Length of the body 4½ lines; of the wings 12 lines.

a—e. Cape. Presented by R. Trimen, Esq.

f. Cape. From Mr. Trimen's collection.

#### SCOPULA ALBICERALIS.

*Rufa; abdomen argenteo-cinereum, alas posticas non superans;  
pedes sat robusti; alas antice pallide rufæ, apice rotundatae,  
fascia rufa obliqua antice dilatata, linea exteriore argentea  
diffusa, plaga costali argentea nigro marginata, dimidio exte-  
riore rufo, striga apicali nigra obliqua, linea submarginali  
lata chalybea, linea marginali rufa, fimbria cinerea fuso  
interlinata; postice æneo-cinerea, semihyalina.*

**Red.** Body beneath and legs silvery cinereous. Abdomen silvery cinereous, not extending beyond the hind wings. Legs rather stout. Fore wings pale red, rounded at the tips, with a red oblique band, which is narrower on the interior border than on the costa, where it is dilated to the base; a silvery diffuse line along the outer side of this band and a silvery exterior costal patch, which is mostly bordered with black; exterior half mostly red, with a black oblique apical streak and with a broad chalybeous submarginal line; marginal line red; fringe cinereous, interlined with brown; exterior border nearly straight, moderately oblique. Hind wings æneous-cinereous, iridescent, semihyaline. Length of the body 3 lines; of the wings 8 lines.

a. South Africa. From Mr. Argent's collection.

## SCOPULA JUGUNDALIS.

**Fœm.** *Nigricans; capitis vertex, thorax anticus, pectus, abdomen, pedes et alæ posticæ latae ochracea; palpi lanceolati, breves, subitus ochracei; abdomen nigricante quinque maculatum; alæ anticae latae, acute, vittis tribus fasciaque marginali flavescente-albidis, vitta la subcostali interrupta; posticæ linea marginali nigra.*

**Female.** Blackish. Vertex of the head, fore part of the thorax, pectus, abdomen, legs and hind wings bright ochraceous. Palpi lanceolate, ochraceous beneath, much shorter than the breadth of the head; third joint lanceolate, minute. Abdomen not extending beyond the hind wings, with a blackish spot on each segment from the second to the sixth. Legs smooth, slender; fore legs black above. Wings broad. Fore wings acute, with three yellowish white stripes, which are bright ochraceous on the under side and extend nearly to a yellowish white marginal band; first stripe subcostal, widening from the base to its tip, nearly interrupted before the middle and interrupted beyond the middle; second stripe shorter than the first; third shorter than the second. Hind wings with a black marginal line. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

a. Cape. From M. Dregé's collection.

## SCOPULA DILACERATALIS.

**Mas.** *Rufescens; capitis latera argenteo-alba; fasciculus frontalis productus; antennæ dense setulosæ; alæ anticae strigis non-nullis nigris latis longitudinalibus argenteo-albo marginatis, linea marginali nigra strigulas albas includente; posticæ aeneo-cinereæ, fascia marginali fusca lata lineam cinereum angulosa includente.*

**Male.** Reddish. Body pale cinereous beneath. Head silvery white on each side above; frontal tuft prominent. Palpi rostriform, whitish beneath. Antennæ thickly setulose. Abdomen silvery cinereous, with a slight aeneous tinge, extending a little beyond the hind wings. Legs smooth. Fore wings acute, with some broad irregular longitudinal black streaks, which are broadly and irregularly bordered with silvery white; a black marginal line, which is

interrupted by short white streaks, the latter extending to the chalybeous fringe. Hind wings sinuous-cinereous, with a broad brown marginal band including a zigzag cinereous line. Length of the body 5 lines; of the wings 12 lines.

a. b. Cape. Presented by R. Trimen, Esq.

#### SCOPULA? GUTTALIS.

Fœm. *Læte rufa*; *palpi oblique ascendentes, capitis latitudine r̄ breviores, articulo 3o longi-conico; abdomen pallide aurato-cinereum, apicem versus attenuatum, alas posticas superans; alæ lunulis marginalibus nigris; antice guttis punctisque plurimis argenteo-albis nigro marginatis, linea submarginali arcuata argenteo-alba strigas emitente; postica aurata, maculis subtus duabus albis nigro marginalis.*

*Female.* Bright red, reddish cinereous beneath. Palpi obliquely ascending, nearly as long as the breadth of the head; third joint elongate-conical, minute. Abdomen pale gilded cinereous, attenuated towards the tip, extending somewhat beyond the hind wing. Legs smooth. Wings with black marginal lunules; under side with an undulating white submarginal line, which is bordered with black on the inner side. Fore wings acute, with numerous silvery white black-bordered dots and points, and with a curved silvery white submarginal line, which emits streaks of the same hue to the exterior border; under side with a white black-bordered subcostal spot. Hind wings gilded; under side with two white black-bordered spots. Length of the body 6½ lines; of the wings 14 lines.

This, like most of the preceding South-African species, has much resemblance to the genus *Dichromia*.

a. Cape. From Mr. Trimen's collection.

#### SCOPULA? CONCISALIS.

Mas. *Pallide ochraceo-cinerea; palpi porrecti, breves, graciles pilosi, articulo 3o lanceolato; antennæ setulosæ; abdomen alas posticas paullo superans, fasciculo apicali minimo; peda graciles; alæ punctis marginalibus nigricantibus; antice acutæ, gutta discali fuscescente elongata, linea exteriore ochracea obliqua flexa; postica pallide cinerea.*

**Male.** Pale ochraceous-cinereous, more cinereous beneath. Palpi porrect, slender, pilose, much shorter than the breadth of the head; third joint lanceolate, less than half the length of the second. Antennæ setulose. Abdomen extending a little beyond the hind wings; apical tuft very small. Legs slender. Wings with blackish marginal points. Fore wings acute, with a transversely elongated brownish dot in the disk, and with an exterior oblique ochraceous line, which is bent towards the costa; exterior border straight, rather oblique. Hind wings pale cinereous. Length of the body 5 lines; of the wings 13 lines.

**a. Cape.** From M. Dregé's collection.

#### SCOPULA EXIMIALIS.

**Fœm.** *Læte flava; palpi rostriformes, basi subtus albi, capitis latitudine non breviores; antennæ setulosæ; alæ fimbria argenteo-alba; antica linea marginali nigra.* Var.  $\beta$ .—*Alæ antica linea ochracea postmedia valde flexa.*

**Female.** Bright yellow, stout. Body silvery white beneath. Palpi rostriform, porrect, as long as the breadth of the head, white beneath at the base; third joint lanceolate, less than half the length of the second. Antennæ setulose. Abdomen not extending beyond the hind wings. Legs silvery white. Wings with a silvery white fringe. Fore wings acute, with a black marginal line. Var.  $\beta$ .—Fore wings with a postmedial much outward-bent ochraceous line. Length of the body  $3\frac{1}{2}$ —4 lines; of the wings 9—10 lines.

**a—c. Ceylon.** Presented by Dr. Templeton.

#### SCOPULA ? SUFFUSALIS.

**Mas.** *Cercina, purpurascente chalybæoque nitens; caput ochraceum, orbitis albis; fasciculus frontalis productus, acutus; palpi rostriformes, capitis latitudine multo longiores; abdomen aurato-cinereum; alæ lineis duabus cupreis, 1a antemedia subrecta, 2a postmedia rubundulata; antica reniformi sat angusta cupreo marginata.*

**Male.** Fawn-colour, with purplish and chalybeous reflections, gilded cinereous beneath. Head dull ochraceous, with a white line along each eye; frontal tuft very prominent and acute. Palpi rostriform, much longer than the breadth of the head. Abdomen gilded cinereous. Wings with two cupreous lines; first line ante-

medial nearly straight, not oblique; second postmedial, slightly undulating and oblique. Fore wings acute; reniform mark cupreous-bordered, rather narrow, contiguous to the second line; under side purplish, except along the interior border. Length of the body 4 lines; of the wings 10 lines.

a—c. Ceylon. Presented by Dr. Templeton.

#### *SCOPULA?* *NIGRIFASCIALIS.*

*Fem.* *Cinerea, robusta; frons subproducta; palpi fuscentes, robusti, pubescentes, porrecti, subtus pallidi, capitis latitudine breviores, articulo 3o lanceolato parvo; abdomen alas posticas longissime superans, fasciculo apicali parvo; alæ antice elongata, fasciis duabus nigricante-cineris, 2a subangulata nigro marginata strigam album includente, punctis submarginalibus nigricantibus albo marginatis; postica linea submarginali fimbriaque albidae.*

*Male.* Cinereous, stout. Front prominent. Palpi porrect, stout, pubescent, brownish on the outer side, longer than the breadth of the head; third joint lanceolate, about one-fourth of the length of the second. Maxillary palpi not more than half the length of the labial palpi. Antennæ setulose. Abdomen extending very much beyond the hind wings; apical tuft small. Legs smooth; anterior tibiae blackish above; tarsi with blackish bands. Fore wings elongate, acute, with two blackish cinereous bands; first band near the base; second postmedial, black-bordered, slightly angular, containing a transverse white streak; submarginal points blackish, white-bordered on the inner side; exterior border slightly convex, very oblique. Hind wings with a submarginal whitish line; fringe whitish. Length of the body 6 lines; of the wings 14 lines.

a. Deccan. Presented by the Secretary of the India Board.

#### *SCOPULA?* *SUBJECTALIS.*

*Mas.* *Cuprea; palpi porrecti, graciles, rostriformes, capitis latitudine vix breviores, articulo 3o lanceolato; abdomen argenteo-cinereum, alas posticas longe superans; alæ antice sat angusta, vix acutæ, fascia lata albida maculam cupream subcostalem includente, strigis duabus fuscis subapicalibus, linea submarginali albida; postica albæ, cupreo late marginata.*

**Male.** Cupreous, silvery cinereous beneath. Palpi porrect, rostriform, slender, squamous, nearly as long as the breadth of the head; third joint lanceolate, much shorter than the second. Abdomen silvery cinereous, extending much beyond the hind wings. Legs smooth, stout. Fore wings rather narrow, hardly acute, with a broad whitish iridescent middle band, which contains a cupreous subcostal spot; two oblique brown streaks near the tip, and an incomplete whitish submarginal line; exterior border slightly convex and oblique. Hind wings white, with a broad cupreous border. Length of the body 5½ lines; of the wings 12 lines.

**a. Deccan.** Presented by the Secretary of the India Board.

#### SCOPULA NEXALIS.

**Fœm.** *Pallide testacea; palpi porrecti, lati, pilosi; alæ antice late, acutæ, ochraceo pallido suffusæ, striga postmedia fusca transversa, linea adhuc exteriore e punctis fuscis, punctis marginalibus obscure fuscis albido notatis, margine exteriore subflexo; posticæ pallide cervinæ, margine exteriore postico truncato.*

**Female.** Pale testaceous. Body beneath and legs whitish. Palpi porrect; second joint broad, pilose. Abdomen extending a little beyond the hind wings. Legs stout, smooth; spurs long. Wings broad. Fore wings acute, partly and towards the exterior border wholly suffused with pale ochraceous; a transverse brown antemedial streak; an undulating more exterior line of brown points; marginal points dark brown, whitish-marked; exterior border straight in front, slightly curved and oblique hindward. Hind wings pale fawn-colour; exterior border slightly truncated along half its length from the interior angle. Length of the body 5 lines; of the wings 11 lines.

**Sarawak, Borneo.** In Mr. Saunders' collection.

#### SCOPULA HASTIFERALIS.

**Mas.** *Albida; palpi subdecumbentes, fuscescente trifasciati; alæ antice cinereæ, dimidio basali fuscescente vittam albidan includente, linea exteriore flexa fuscescente marginata lineaque submarginali anguloni albidis; posticæ cinereæ, semihyalinae.*

**Male.** Whitish. Palpi pilose, slightly decumbent, about twice longer than the breadth of the head, with three brownish bands; third joint lanceolate, a little longer than the second. Maxillary palpi short, fringed, obliquely ascending. Abdomen extending a little beyond the hind wings. Fore wings acute, cinereous, pale brownish for more than half the length from the base; this hue is divided by a whitish stripe, and the latter terminates in a transverse exterior deeply outward-bent whitish line; submarginal line whitish, deeply and acutely zigzag, brownish-bordered on the inner side; exterior border almost straight, very slightly oblique. Hind wings cinereous, semihyaline. Length of the body  $3\frac{1}{2}$  lines; of the wings 9 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

#### SCOPULA AROUATALIS.

**Mas.** *Albida*; *palpi rufescentes, porrecti, subitus albidi, capitis latitudine multo longiores, articulo 3o conico; antennae ochraceæ, suberratæ, basi albæ; thoracis latera rufescencia; alæ anticæ atomis rufescensibus marginatae, vittis duabus rufescensibus, la subcostali undulata, fascia submarginali rufente.*

**Male.** Whitish. Palpi porrect, smooth, reddish on the outer side, much longer than the breadth of the head; third joint conical, not more than one-eighth of the length of the second. Antennæ ochraceous, stout, minutely serrated and pubescent, white at the base. Thorax reddish on each side. Legs smooth; fore legs mostly fawn-colour above. Fore wings acute, with reddish speckles along the costa and along the exterior border; two reddish stripes extending from the base; first subcostal, undulating, longer and more complete than the second, which is nearer the interior border; a reddish submarginal band, which slightly diverges hindward from the exterior border, the latter is straight and rather oblique. Length of the body  $4\frac{1}{2}$  lines; of the wings 9 lines.

a, b. Sydney. From Mr. Lambert's collection.

#### SPILODES? RHODOCRYPTALIS.

**Mas.** *Albido-ochracea, sat robusta; caput apud oculos roseum; palpi subangulati, roseo conspersi, articulo 2o ascendentem, 3o porrecto lanceolato; pectus saturate roseum; pedes robusti,*

*femoribus tibiisque anterioribus roseo conspersis; alæ lituris nullis.*

**Male.** Whitish ochraceous, rather stout. Head partly rosy about the eyes. Proboscis squamous and rosy-speckled towards the base. Palpi squamous, obliquely ascending, rosy-speckled on the outer side, not rising higher than the vertex; third joint porrect, lanceolate, not more than one-third of the length of the second, with which it forms a slight angle. Antennæ setulose, rather stout. Pectus dark rose-colour. Legs stout; anterior femora and tibiae rose-speckled. Wings shining, moderately broad, without any markings. Fore wings acute; exterior border hardly convex, rather oblique. Length of the body 5? lines; of the wings 12 lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### SCOPULA FIGURALIS.

**Mas.** *Rufescente-cervina, sat robusta; fasciculus frontalis productus; palpi porrecti, capitis latitudine breviores, articulo 2o supra late fimbriato, 3o minimo; antennæ setosa; abdominis segmenta cinereo marginata; alæ breves, latæ, nigro conspersæ, lineis duabus obliquis lineaque submarginali dentata albidis, gutta inter lineas 1am et 2am nigricante; antice gutta albido marginata, costa albida.*

**Male.** Reddish fawn-colour, rather stout, cinereous beneath. Frontal tuft prominent. Palpi porrect, shorter than the breadth of the head; second joint broadly fringed above; third very minute. Antennæ setose. Abdomen hardly extending beyond the hind wings; hind borders of the segments cinereous; apical tuft very small. Legs smooth, slender. Wings short, broad, minutely black-speckled, with two whitish oblique lines and with an intermediate blackish dot in the disk; a dentate whitish submarginal line; marginal points black. Fore wings acute; the dot whitish-bordered; costa whitish. Length of the body 3½ lines; of the wings 8 lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### SCOPULA GAVISALIS.

**Fœm.** *Saturate ochracea; caput et thorax pallide flava; palpi porrecti, pilosi, capitis latitudine multo breviores; abdomen fuscum, basi pallide flavum; pedes argenteo-albi, anticæ supra cuprei; alæ latæ, fimbria argenteo-cinerea fusco interlineata;*

*antice subacuta, fasciis duabus argenteo-albis subobliquis nigro marginatis, la antemedia, 2a subundulata; postice aurata, linea undulata fasciaque lata marginali fuscis.*

**Female.** Deep ochraceous. Head and thorax pale yellow. Palpi deep ochraceous, porrect, pilose, much shorter than the breadth of the head. Antennæ slender. Abdomen brown, pale yellow towards the base. Legs silvery white; fore legs cupreous above. Wings broad; fringe silvery cinereous, interlined with brown. Fore wings slightly acute, with two slightly oblique silvery white bands; first band antemedial, bordered with black on the inner side, diffuse on the outer side; second slightly undulating, bordered with black on both sides, much narrower than the first; four white costal points between the lines; marginal points black, very minute; exterior border straight, rather oblique. Hind wings gilded, with a brown undulating line and a broad brown marginal band. Length of the body 4 lines; of the wings 10 lines.

a, b. Tasmania. From the Entomological Society's collection.

#### SCOPULA VINCTALIS.

Mas et fœm. *Cana; caput antice fuscescens; palpi fuscescentes, rostriformes, porrecti, pilosi, capitis latitudine non breviores; abdomen vittis duabus lateralibus nigris interruptis; alæ late, æneos marginatæ, striga nigricante longitudinali punctum ochraceum guttamque albidae includente, linea submarginali albida angulosa, punctis marginalibus nigris.*

**Male and female.** Hoary. Body white beneath. Head brownish in front. Palpi brownish, porrect, pilose, rostriform, as long as the breadth of the head. Maxillary palpi slightly ascending, about half the length of the labial palpi. Antennæ of the male setose. Abdomen extending a little beyond the hind wings; a black stripe on each side, interrupted on the hind border of each segment. Wings broad, æneous about the exterior border. Fore wings rectangular at the tips; a longitudinal blackish streak in the disk, including an ochraceous point and an exterior whitish dot; submarginal line whitish, zigzag; marginal points black; exterior border slightly convex, hardly oblique. Length of the body 6—6½ lines; of the wings 14—15 lines.

- a. South Hindostan. Presented by M. J. Walhouse, Esq.
- b. Australia. Presented by E. Doubleday, Esq.
- c. Sydney. From Mr. Stevens' collection.
- d, e. Sydney. From Mr. Lambert's collection.

## SCOPULA USTALIS.

**Fœm.** *Rufescens, robusta ; caput et thorax fusca ; palpi fuscæ ; lati, rostriformes, subtus albi, capitis latitudine non longiores ; abdomen cervinum, segmentis albido marginatis ; alæ antice disco pallide cinereo, lineis tribus angulosis nigris, spatio inter lineas 2am et 3am nigro-consperso strigam rufam includente, gutta maculaque discalibus punctisque marginalibus nigris ; posticæ cinereo-fuscæ, æneo suffusæ.*

**Female.** Reddish, stout. Body beneath and legs silvery white. Head, palpi and thorax brown. Palpi rostriform, broad, white beneath, not longer than the breadth of the head; third joint very minute. Maxillary palpi less than half the length of the labial palpi. Antennæ smooth, slender. Abdomen fawn-colour, extending a little beyond the hind wings; hind borders of the segments whitish. Legs smooth, slender; fore legs brown above. Fore wings with a pale cinereous disk; three black zigzag lines; first line near the base; second antemedial; third postmedial; space between the second and third lines black-speckled, including a red streak, a black dot and a black spot, the two latter representing the orbicular and reniform marks; marginal dots black; fringe and hind wings cinereous-brown, with an æneous tinge. Length of the body 5 lines; of the wings 12 lines.

a. Moreton Bay. From Mr. Diggles' collection.

## SCOPULA TURBIDALIS.

**Fœm.** *Nigricans ; palpi porrecti, rostriformes, subtus albi, capitis latitudine non breviores ; antennæ gracillimæ ; alæ antice elongatæ, acutæ, sat angustæ, ochraceo conspersæ, linea marginali alba, punctis marginalibus nigris ; posticæ æneo-cinereæ, semihyalinæ, fimbria albida.*

**Female.** Blackish. Body beneath and legs whitish. Palpi rostriform, porrect, white beneath, as long as the breadth of the head; third joint very minute. Antennæ very slender. Legs smooth, slender. Wings elongate, cinereous and shining beneath. Fore wings acute, rather narrow, with ochraceous speckles, which are most prevalent near the exterior border; marginal line white, interrupted by black marginal points; exterior border very slightly convex, moderately oblique. Hind wings æneous-cinereous, semi-

hyaline; fringe whitish. Length of the body 4 lines; of the wings 10 lines.

a. Moreton Bay. From Mr. Diggles' collection.

**SCOPULA? PULVEROSALIS.**

**Mas.** *Cinerea; fasciculus frontalis porrectus, acutus; palpi fuscii, latiusculi, vix ascendentis, capitis latitudine paulo longiores, articulo 3o lanceolato; antennae setosæ; aleæ antice late, nigricante conspersæ, puncio nigro, linea exteriore fusca arcuata, punctis marginalibus nigris.*

**Male.** Cinereous. Frontal tuft porrect, acute. Palpi brown, rather broad, hardly ascending, a little longer than the breadth of the head; third joint lanceolate, not more than one-third of the length of the second. Antennæ setose; bristles rather long. Abdomen extending rather beyond the hind wings; apical tuft elongate. Legs smooth. Wings broad. Fore wings acute, blackish-speckled, with a black point in the disk beyond the middle, and with a more exterior outward-curved brown line; marginal points black; exterior border convex, moderately oblique. Length of the body 5 lines; of the wings 12 lines.

a. ——?

**Genus LEMIODES, C. L. H. xviii. 800.**

**LEMIODES PULVERALIS, C. L. H. xviii. 800.**

a—c. Ratisbon. From Dr. H.-Schæffer's collection.

**Genus NYMPHULA, C. L. H. xviii. 800.**

**NYMPHULA INTERPUNCTALIS, C. L. H. xviii. 801.**

a. Italy. From Dr. H.-Schæffer's collection.

**Genus MECYNA, C. L. H. xviii. 804.**

**MECYNA RUSTICALIS, C. L. H. xviii. 805.**

a—c. Ratisbon. From Dr. H.-Schæffer's collection.

**Genus SPANISTA.**

**Spanista, Ld. Wien. Ent. Mon. vii. 445.**

**SPANISTA ORNATALIS.**

*Stenia ornatalis*, *C. L. H.* xvii. 416.

**Genus DYSALLACTA.**

*Dysallacta*, *Ld. Wien. Ent. Mon.* vii. 393.

**DYSALLACTA NEGATALIS.**

*Phalangiodes?* *negatalis*, *C. L. H.* xvii. 468.

**DYSALLACTA MONESUSALIS.**

*Botys Monesusalis*, *C. L. H.* xviii. 653.

**DYSALLACTA PHANASALIS.**

*Botys Phanasalis*, *C. L. H.* xviii. 727.

**Genus ACROSPILA.**

*Acrospila*, *Ld. Wien. Ent. Mon.* vii. 392.

**ACROSPILA GASTRALIS.**

*Botys gastralidis*, *C. L. H.* xviii. 570.

**Genus MICROTHYRIS.**

*Microthyris*, *Ld. Wien. Ent. Mon.* vii. 432.

**MICROTHYRIS PROLONGALIS.**

*Botys prolongalis*, *C. L. H.* xviii. 620.

**MICROTHYRIS SECTALIS.**

*Botys sectalis*, *C. L. H.* xviii. 620.

**Genus CERATOCLASIS.**

*Ceratoclasis*, *Ld. Wien. Ent. Mon.* vii. 430.

**CERATOCLASIS DELIMITALIS.**

*Botys delimitalis, C. L. H. xviii. 571.*

**Genus CONDYLORHIZA.**

*Condylorhiza, Ld. Wien. Ent. Mon. vii. 393.*

**CONDYLORHIZA ILLUTALIS.**

*Botys illutalis, C. L. H. xviii. 591.*

**Genus CNAPHALOCROCIS.**

*Cnaphalocrocis, Ld. Wien. Ent. Mon. vii. 384.*

**CNAPHALOCROCIS IOLEALIS.**

*Botys Iolealis, C. L. H. xviii. 666—Botys rutilalis, C. L. H. xviii. 665.*

**Genus PLEONECTUSA.**

*Pleonectusa, Ld. Wien. Ent. Mon. vii. 426.*

**PLEONECTUSA TABIDALIS.**

*tabidalis, Ld. Wien. Ent. Mon. vii. 426, 481.*

*Amboina.*

**PLEONECTUSA SODALIS.**

*sodalis, Ld. Wien. Ent. Mon. vii. 426, 481.*

*Amboina.*

**PLEONECTUSA ADMIXTALIS.**

*admixtalis, Ld. Wien. Ent. Mon. vii. 481—Botys admixtalis, C. L. H. xviii. 665.*

**Genus PACHYNOA.**

*Pachynoa, Ld. Wien. Ent. Mon. vii. 391.*

**PACHYNOA OSTREALIS.**

*Botys ostrealis*, *C. L. H.* xviii. 572.

**PACHYNOA? SPISSALIS.**

*Botys spissalis*, *C. L. H.* xviii. 681.

**PACHYNOA PECTINICORNALIS.**

*Botys pectinicornalis*, *C. L. H.* xviii. 647.

**PACHYNOA SABELIALIS.**

*Botys sabelialis*; *C. L. H.* xviii. 648.

**PACHYNOA? GROSSALIS.**

*Botys grossalis*, *C. L. H.* xviii. 681.

**PACHYNOA SELLALIS.**

*Botys sellalis*, *C. L. H.* xviii. 648.

**PACHYNOA THOOSALIS.**

*Botys Thoosalis*, *C. L. H.* xviii. 737.

Darjeeling. Amboina. Ceram.

**PACHYNOA MÆRULALIS.**

*Botys Mærulalis*, *C. L. H.* xix. 1000.

**PACHYNOA OBSTRUCTALIS.**

*Mas.* Pallide ochracea, robusta; palpi fusi, porrecti, robusti, breves, subtus albi; antennæ robustæ, pubescentes; abdomen lineare, alas posticas longe superans, fasciculo apicali minimo; alæ anticae lineis tribus purpurascensibus, 2a valde dilatata, 3a brevissima; posticae vix lineatae.

*Male.* Pale ochraceous, stout. Body beneath and legs silvery white. Palpi brown, porrect, stout, squamous, iridescent, white beneath, very much shorter than the breadth of the head. Antennæ

stout, minutely pubescent. Abdomen linear, extending much beyond the hind wings; apical tuft very small. Wings elongate, moderately broad. Fore wings acute, with three purplish lines; second line much dilated in the disk; third not extending far from the costa; exterior border hardly convex, very oblique. Hind wings with indistinct traces of lines like those of the fore wings. Length of the body 5 lines; of the wings 12 lines.

Amoy. In Mr. Saunders' collection.

### Sect.

*Mas.* Corpus crassum. Proboscis gracilis. Palpi robusti, porrecti, caput paullo superantes; articulus 3us longi-conicus, subdecumbens, 2i dimidio brevior. Antennæ pectinatae, apices versus glabriæ. Abdomen alas posticas plus dimidio superans, lateribus subfasciculatis. Pedes robusti; tibiae densissime fimbriatae. Alæ anticae elongatae, lanceolatae, acutaæ, margine exteriore recto perobliquo.

*Male.* Body very stout. Proboscis slender. Palpi stout, porrect, extending a little beyond the head; third joint elongate-conical, obliquely decumbent, less than half the length of the second, with which it forms an angle. Antennæ moderately pectinated, smooth for nearly one-third of the length from the tips. Abdomen with small tufts along each side, extending for a little more than half its length beyond the hind wings. Legs stout, moderately long; tibiae very densely fringed with long hairs. Wings elongate. Fore wings lanceolate, acute, very much longer than the hind wings; exterior border straight, very oblique.

### PACHYNOA PURPURALIS.

*Mas.* Rufescente-cervina; caput rufum; alæ spatio basali purpurascente rufo-marginato, lineis duabus submarginalibus ochraceis dentatis; antica plaga costali magna purpurascente rufo-marginata.

*Male.* Reddish fawn-colour. Body white and shining beneath. Head bright red. Wings purplish towards the base; outline of the purplish hue bordered with bright red; two ochraceous dentate submarginal lines. Fore wings with a large purplish costal patch, which is bordered with bright red, and on the costa joins the basal purplish part and extends to the tip. Length of the body 7—10 lines; of the wings 16—20 lines.

*a, b.* Java. Presented by the Secretary of the India Board.

## Genus NOSOPHORA.

*Nosophora*, *Ld. Wien. Ent. Mon.* vii.

## NOSOPHORA CHIRONALIS.

*Botys Chironalis*, *C. L. H.* xviii. 683.

## NOSOPHORA CONJUNCTALIS.

**Mas.** *Aeneo-cervina; palpi obscure cuprei, basi pallide cervini, verticem superantes, pilis reflexis dense vestiti; thoracis tegulae postice longissimæ; abdomen basi ochraceum; pedes postici subfimbriati; alæ ænea, purpureo nitentes; anticæ basi costaque ochraceis, macula subcostali fasciaque exteriore abbreviata albidis semihyalinis nigricante marginatis.*

**Male.** Aeneous fawn-colour. Body beneath and legs silvery whitish. Palpi dark cupreous, pale fawn-colour towards the base, obliquely ascending, rising higher than the vertex, thickly clothed with squamous recurved hairs. Antennæ pubescent. Hind tegulae of the thorax very long, extending over the basal part of the abdomen. Abdomen extending much beyond the hind wings, ochraceous at the base, with a small compressed apical tuft. Hind tibiæ and hind tarsi slightly fringed. Wings aeneous, with purple reflections. Fore wings acute, ochraceous at the base and along the costa, with a small subcostal spot and an exterior band; both whitish, semi-hyaline, blackish-bordered; the latter much abbreviated towards the interior border; exterior border convex, very oblique. Length of the body 5 lines; of the wings 12 lines.

**Flores.** In Mr. Saunders' collection.

## Genus ANTIGASTRA.

*Antigastra*, *Ld. Wien. Ent. Mon.* vii. 419.

## ANTIGASTRA CATALAUNALIS.

*Ebulea catalaunalis*, *C. L. H.* xviii. 743.

## Genus PANTOGRAPHA.

*Pantographa*, *Ld. Wien. Ent. Mon.* vii. 387.

## PANTOGRAPHA SCRIPTURALIS.

*Pionea scripturalis*, *C. L. H.* xviii. 757.

**PANTOGRAPHA<sup>?</sup> ANASTOMOSALIS.**

*Pionea anastomosalis*, *C. L. H.* xviii. 760.

**Genus EPHELIS.**

*Ephelis*, *Ld. Wien. Ent. Mon.* vii. 357.

**EPHELIS CRUENTALIS.**

*Pionea cruentalis*, *C. L. H.* xviii. 754—*Ephelia cruentalis*, *Ld. Wien. Ent. Mon.* vii. 356.

**Genus MEROCTENA.**

*Meroctena*, *Ld. Wien. Ent. Mon.* vii. 392.

**MEROCTENA STAINTONII.**

*Staintonii*, *Ld. Wien. Ent. Mon.* vii. pl. 13, f. 4.

Amboina.

**Genus CŒNOSTOLA.**

*Cœnostaola*, *Ld. Wien. Ent. Mon.* vii. 408.

**CŒNOSTOLA MARTYRALIS.**

*Martyralis*, *Ld. Wien. Ent. Mon.* vii. 479, pl. 14, f. 15.

Brazil.

**CŒNOSTOLA<sup>?</sup> APICALIS.**

*apicalis*, *Ld. Wien. Ent. Mon.* vii. 479, pl. 14, f. 16.

Brazil.

**CŒNOSTOLA<sup>?</sup> ERUPTALIS.**

*eruptalis*, *Ld. Wien. Ent. Mon.* vii. 479, pl. 15, f. 1.

Brazil.

**Genus TRITHYRIS.**

*Trithyris*, *Ld. Wien. Ent. Mon.* vii. 410.

**TRITHYRIS JANUALIS.**

*janualis*, *Ld. Wien. Ent. Mon.* vii. 479, pl. 15, f. 2.

Brazil.

## Genus RHIMPHALEA.

*Rhimphalea*, *Ld. Wien. Ent. Mon.* vii. 410.

## RHIMPHALEA SCELETALIS.

*sceletalis*, *Ld. Wien. Ent. Mon.* vii. pl. 16, f. 3.

Amboina.

## Genus MESOCONDYLA.

*Mesocondyla*, *Ld. Wien. Ent. Mon.* vii. 392.

## MESOCONDYLA STIGMATALIS.

*stigmatalis*, *Zgl., Ld. Wien. Ent. Mon.* vii. pl. 13, f. 3.

Brazil.

## Genus PILOCROCIS.

*Pilocrocis*, *Ld. Wien. Ent. Mon.* vii. 430.

## PILOCROCIS RAMONTALIS.

*ramontalis*, *Ld. Wien. Ent. Mon.* vii. pl. 16, f. 13.

## PILOCROCIS AMISSALIS.

*Botys amissalis*, *C. L. H.* xviii. 614.

## Genus PILETOCERA.

*Piletocera*, *Ld. Wien. Ent. Mon.* vii. 431.

## PILETOCERA VIOLALIS.

*violalis*, *Ld. Wien. Ent. Mon.* vii. pl. 16, f. 15.

Amboina. New Guinea.

## Genus SCYBALISTA.

*Seybalista*, *Ld. Wien. Ent. Mon.* vii. 455.

## SCYBALISTA RATIONALIS.

*rationalis*, *Ld. Wien. Ent. Mon.* vii. 487, pl. 18, f. 15.

Brazil.

**SCYBALISTA TRIFUNALIS.**

*trifunalis*, *Ld. Wien. Ent. Mon.* vii. 487, pl. 18, f. 16.  
Venezuela.

**Genus HERPETOGRAMMA.**

*Herpetogramma*, *Ld. Wien. Ent. Mon.* vii. 430.

**HERPETOGRAMMA SERVALIS.**

*servalis*, *Ld. Wien. Ent. Mon.* vii. pl. 16, f. 16.  
Brazil.

**Genus ENTEPHRIA.**

*Entephria*, *Ld. Wien. Ent. Mon.* vii. 428.

**ENTEPHRIA PRÆRUPTALIS.**

*præruptalis*, *Ld. Wien. Ent. Mon.* vii. pl. 16, f. 8.  
Amboina.

**ENTEPHRIA? FUMIDALIS.**

Mas. *Æneo-fusca*; *palpi lati, subarcurati, basi albi, oblique ascendentibus, articulo 3o minimo; alæ tertiisculæ, lineis duabus fuscis vix conspicuis; antennæ striga fusca, linea 2a valde flexa.*

*Male.* *Æneous-brown:* Body beneath and legs silvery white. Palpi broad, squamous, slightly curved, obliquely ascending, white at the base, not rising higher than the vertex; third joint very minute. Antennæ rather stout, hardly pubescent. Wings rather broad, with two very indistinct brown lines, the second as usual much bent in the fore wings, which have a small transverse very indistinct brown streak in the disk. Fore wings acute; exterior border slightly convex, rather oblique. Length of the body 4 lines; of the wings 10 lines.

New Guinea. In Mr. Saunders' collection.

**Genus ORPHNOPHANES.**

*Ophnophanes*, *Ld. Wien. Ent. Mon.* vii. 428.

**ORPHEUS PRODUCTALIS.**

*productalis*, *Ld. Wien. Ent. Mon.* vii. 428, pl. 16, f. 7.

Amboina.

**Genus PLATAMONIA.**

*Platamonia*, *Ld. Wien. Ent. Mon.* vii. 427.

**PLATAMONIA AMPLIATALIS.**

*ampliatalis*, *Ld. Wien. Ent. Mon.* vii. pl. 16, f. 6.

Amboina. Morty. New Guinea.

**Genus SATHRIA.**

*Sathria*, *Ld. Wien. Ent. Mon.* vii. 411.

**SATHRIA STERCORALIS.**

*stercoralis*, *Ld. Wien. Ent. Mon.* vii. pl. 15, f. 4.

Cuba.

**Genus ANALTES.**

*Analtes*, *Ld. Wien. Ent. Mon.* vii. 407.

**ANALTES SEMITRITALIS.**

*semitritalis*, *Ld. Wien. Ent. Mon.* vii. pl. 14, f. 14.

Amboina.

**ANALTES ALTHEALIS.**

*Botys Althealis*, *C. L. H.* xviii. 697.

**ANALTES DISPILOTALIS.**

*Mas.* *Aeneo-fusca*; *palpi sat graciles, subarcuati, ascendentes, subtus basi argenteo-albi*; *articulo 3o conico*; *ala lineis duabus nigricantibus*; *antica striga nigricante, plaga costali alba, linea 2a valde arcuata*.

*Male.* *Aeneous-brown, rather stout. Body beneath and legs silvery white. Palpi rather slender, slightly curved, nearly erect, not rising higher than the vertex, silvery white beneath towards the base; third joint conical, very minute. Antennæ slender, minutely pubescent. Wings moderately broad, with two blackish lines; first*

line extending from one-fourth of the length of the costa of the fore wings to three-fourths of the length of the interior border of the hind wings; second postmedial. Fore wings acute; second line much curved outward; a blackish transverse streak in the disk; a white costal patch between the streak and the second line; exterior border convex, rather oblique. Hind wings with the second line abbreviated hindward. Length of the body 5 lines; of the wings 12 lines.

*Sula.* In Mr. Saunders' collection.

#### ANALTES GLYPHODALIS.

*Ochracea; palpi robusti, subarcuati, oblique ascendentes, subtus bari argenteo-albi, articulo 3o conico; alæ æneæ, purpureo nittentes; anticæ basi costaque ochraceis, linea antemedia fusca subangulosa, plaga albida costali postmedia semi-hyalina nigricante marginata; posticæ fascia albida antemedia undulata dentata semihyalina nigricante marginata.*

Ochraceous, stout. Body beneath and legs silvery white. Palpi stout, squamous, slightly curved, silvery white beneath towards the base, obliquely ascending, not rising higher than the vertex; third joint conical, very minute. Wings æneous, elongate, with purple reflections. Fore wings acute, ochraceous at the base and along the costa, with a slightly zigzag brown line near the base, and with a postmedial whitish costal semihyaline blackish-bordered patch; exterior border slightly convex, very oblique. Hind wings with an antemedial whitish oblique undulating dentate semihyaline blackish-bordered band. Length of the body 6 lines; of the wings 16 lines.

*Sula.* In Mr. Saunders' collection.

#### ANALTES CONGENITALIS.

*Fœm. Pallide ochracea; palpi arcuati, reflexi, articulo 3o lanceolato 2o via breviore; alæ linea subantemedia indeterminata, fascia marginali lata fimbriaque cupreo-fuscis, macula magna intermedia alba margaritacea; anticæ linea antemedia ochracea subobliqua; costa fusca.*

*Female.* Pale ochraceous. Body beneath and legs silvery white. Palpi squamous, curved, reflexed over the vertex, as long as the breadth of the head; third joint lanceolate, nearly as long as the second. Legs stout; fore tibiæ brown, except towards the base.

Wings with an irregular incomplete cupreous-brown slightly ante-medial line and a broad irregular cupreous-brown marginal band; a large white opaline spot in the disk between the line and the band, broadly bordered with brown on the outer side; fringe cupreous-brown. Fore wings acute; a slightly oblique ochraceous line near the base; costa brown; exterior border slightly convex, moderately oblique. Length of the body 5— $5\frac{1}{2}$  lines; of the wings 12—14 lines.

Closely allied to *A. Althealis*, from which it may be distinguished by the shape of the spot on the fore wings.

**Mysol.** Sula. New Guinea. In Mr. Saunders' collection.

#### Sect.

**Fœm.** Corpus robustum. Proboscis longa, valida. Palpi robusti, squamosi, erecti, verticem paullo superantes; articulus 3us lanceolatus, 2o brevior, usque ad apicem floccosus. Antennæ robustæ, dense setulosæ. Abdomen lanceolatum, alas posticas longissime superans. Pedes longiusculi, sat graciles, tibiis tarsisque postice dense fimbriatis. Alæ anticæ elongatæ, acutæ.

**Female.** Body stout. Proboscis long, stout. Palpi stout, squamous, erect, rising a little higher than the vertex; third joint lanceolate, shorter than the second, clothed to the tip with long curled hairs. Antennæ stout, densely setulose. Abdomen lanceolate, extending very much beyond the hind wings. Legs smooth, rather long and slender; hind tibiæ towards the tips and hind tarsi except towards the tips densely fringed with long hairs. Wings elongate, moderately broad. Fore wings acute; exterior border slightly convex, moderately oblique.

#### ANALTES EUSPILALIS.

**Fœm.** *Æneo-cervina*; alæ anticæ striga costali lata postmedia sordide albida, fascia alba lata abbreviata subarcuata semi-hyalina.

**Female.** Æneous fawn-colour. Body beneath and legs silvery white. Fore wings with a broad dingy whitish costal postmedial streak, behind which a broad white semi-hyaline brilliantly iridescent slightly curved and oblique band extends across two-thirds of the breadth of the wings. Length of the body 7 lines; of the wings 14 lines.

**New Guinea.** In Mr. Saunders' collection.

## Genus SPARGETA.

*Spargeta*, *Ld. Wien. Ent. Mon.* vii. 406.

## SPARGETA BASALTICALIS.

*basalticalis*, *Ld. Wien. Ent. Mon.* vii. pl. 14, f. 11.

Amboina. Aru.

## Genus POLYTHLIPTA.

*Polythlipta*, *Ld. Wien. Ent. Mon.* vii. 389.

## POLYTHLIPTA OSSEATALIS.

*osseatalis*, *Ld. Wien. Ent. Mon.* vii. 477, pl. 12, f. 18.

Amboina.

## POLYTHLIPTA CEREALIS.

*cerealis*, *Ld. Wien. Ent. Mon.* vii. 477.

Hindostan.

## POLYTHLIPTA MACERATALIS.

*maceratalis*, *Ld. Wien. Ent. Mon.* vii. 477, pl. 12, f. 14.

Amboina.

## POLYTHLIPTA SPLENDIDALIS.

*Mas.* *Pallide aurato-ochracea*; *palpi lati*, *oblique ascendentes*, *apice cyaneo-purpureæ*, *articulo 3o minimo*; *thorax cyaneo-purpureus*, *antice ochraceus*; *abdomen cyaneo-purpureum*, *alas posticas longissime superans*, *basi argenteo-albidum*, *apice ochraceo bivittatum*; *alæ longæ*, *sat angustæ*, *fasciis tribus purpureis obliquis vagis excavatis*; *antice subacutæ*, *fascia basali purpurea*.

*Male.* Pale gilded ochraceous. Palpi broad, obliquely ascending, bluish purple towards the tips, not rising higher than the vertex; third joint very minute. Antennæ minutely pubescent. Thorax bluish purple; fore border ochraceous. Abdomen extending very much beyond the hind wings, bluish purple above, silvery whitish towards the base, compressed and with two ochraceous stripes at the tip. Legs bluish purple; fore tibiæ fringed. Wings long, rather narrow, with three purple oblique connected very irregular and much excavated bands, of which the third is marginal; fringe blackish. Fore wings slightly acute; exterior border very oblique;

an irregular purple band at the base. Length of the body 7 lines; of the wings 16 lines.

Allied to *Botys Heranialis*.

New Guinea. In Mr. Saunders' collection.

#### Genus CORNIFRONS.

*Cornifrons*, *Ld. Wien. Mon.* ii. 147; vii. 384.

##### CORNIFRONS ULCERATALIS.

*ulceratalis*, *Ld. Wien. Ent. Mon.* ii. 147, pl. 4; vii. 384.

Syria. Hindostan.

#### Genus MARASMIA.

*Marasmia*, *Ld. Wien. Ent. Mon.* vii. 385.

##### MARASMIA CICATRICOSA.

*cicatricosa*, *Ld. Wien. Ent. Mon.* vii. pl. 12, f. 8.

Java.

#### Genus LYGROPIA.

*Lygropia*, *Ld. Wien. Ent. Mon.* vii. 381.

##### LYGROPIA UNICOLORALIS.

*Asopia unicoloralis*, *C. L. H.* xvii. 377—*Ebulea Heronalis*, *C. L. H.* xviii. 748.

##### LYGROPIA SIMPLALIS.

*Asopia simplalis*, *C. L. H.* xvii. 367.

##### LYGROPIA? CHROMALIS.

*Asopia chromalis*, *C. L. H.* xvii. 367.

##### LYGROPIA? CERNALIS.

*Asopia cernalis*, *C. L. H.* xvii. 366.

## LYGROPIA? FILALIS.

*Asopia filalis*, *C. L. H.* xvii. 369.

## Genus BONCHIS.

*Bonchis*, *Wlk. Trans. Ent. Soc. Lond.* 3rd Ser. i. 128.

## BONCHIS SCOPARIOIDES.

*scoparoides*, *Wlk. Trans. Ent. Soc. Lond.* 3rd Ser. i. 128.

Para.

## Genus REHIMENA.

*Fæm.* Corpus gracile. Proboscis mediocris. Palpi graciles, subarcuati, suberecti, subtus squamosi, verticem paullo superantes; articulus 3us longi-conicus. Antennæ graciles. Abdomen alas posticas sat superans. Pedes lœves, graciles; calcaria longa, gracilima. Alæ antice latiusculæ, acutæ, margin'e exteriore subobliquo.

*Female.* Body slender. Proboscis of the usual length. Palpi slender, squamous beneath, slightly curved, nearly erect, rising a little higher than the vertex; third joint elongate-conical, less than one-fourth of the length of the second. Antennæ slender. Abdomen extending somewhat beyond the hind wings. Legs smooth, slender; spurs long, very slender. Wings rather broad. Fore wings acute; exterior border very slightly convex, slightly oblique; third inferior vein very near the second; third remote from the second.

The structure of the palpi distinguishes it from *Scopula* and from *Ebulea*, to which genera it has most affinity.

## REHIMENA DICHROMALIS.

*Fæm.* Flava; alæ subtus argenteo-cinereæ; abdomen ochraceum; alæ antice plagiis duabus purpureis, 1a basali, 2a maxima strigam submarginalam ad costam emitente; postice æneo-cinereæ, costa basali alba.

*Female.* Yellow. Body beneath and legs silvery white. Abdomen ochraceous. Wings beneath silvery cinereous. Fore wings with two purple patches; first patch basal; second very large,

resting on the interior border, extending nearly to the middle of the costa. Hind wings æneous-cinereous, white about the basal part of the costa. Length of the body 4 lines; of the wings 9 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

#### Genus OSIRIACA.

*Mas.* Corpus gracile. Proboscis mediocris. Palpi graciles, subdecumbentes, capitis latitudine non breviores; articulus 2us supra subtusque late fimbriatus; 3us lanceolatus, gracillimus, 2o non brevior. Antennæ subpectinatæ. Pedes glabri, graciles; calcaria gracilia. Alæ antice elongatæ, vix falcatæ.

*Male.* Body slender. Proboscis of the usual length. Palpi slender, slightly decumbent, as long as the breadth of the head; second joint fringed above and beneath with long hairs; third lanceolate, very slender, as long as the second. Antennæ slightly pectinated. Legs smooth, slender; spurs slender. Wings elongate. Fore wings acute, hardly falcate; exterior border hardly convex, moderately oblique; third inferior vein full twice further from the fourth than from the second.

#### OSIRIACA INTURBIDALIS.

*Mas.* *Ochracea*; alæ fimbria cinerea nigricante interlineata, linea subtus nigricante lata postmedia, lunulis subtus nigris marginalibus; postice flavae, subtus ochraceæ.

*Male.* Ochraceous. Tibiæ and tarsi silvery cinereous; fore tibiæ blackish above. Wings with a cinereous fringe, which is interlined with blackish; under side with a broad blackish oblique postmedial line and with black marginal lunules. Hind wings yellow, ochraceous beneath. Length of the body 5 lines; of the wings  $1\frac{1}{2}$  lines.

a. Moreton Bay. From Mr. Diggles' collection.

#### Genus CANDISA.

*Mas.* Corpus gracile. Caput fasciculis duabus frontalibus porrectis longissimis acutis. Proboscis brevis. Palpi graciles, squamosi, oblique ascendentes, verticem non superantes; articulus 3us lanceolatus, longiusculus. Antennæ setosæ. Abdomen alas posticas longe superans; fasciculus apicalis parvus. Pedes graciles, glabri; calcaria gracilia. Alæ antice elongatæ, latiusculæ, apice subrotundatæ, costa subconvexa fasciculo squamoso incumbente.

**Male.** Body slender. Head with two porrect acute very long frontal tufts, which project far beyond the face. Proboscis short. Palpi slender, squamous, obliquely ascending, not rising higher than the vertex; third joint lanceolate, about half the length of the second. Antennæ setose. Abdomen extending much beyond the hind wings; apical tuft small. Legs smooth, slender; spurs slender. Wings elongate, rather broad. Fore wings slightly rounded at the tips; costa slightly convex, with a recumbent squamous tuft in the middle; exterior border slightly convex, rather oblique.

#### CANDISA AURIFLAVALIS.

**Mas.** *Aurato-flava; caput et thorax cupreo-fusca; alæ antice basi, costa, fascia lata obliqua marginaque exteriore cupreofuscæ; posticæ cupreo-fusco marginatae.*

**Male.** Gilded yellow. Head, palpi, antennæ and thorax cupreous-brown. Fore wings cupreous-brown at the base, along the costa, about the tips and along the exterior border, and with a broad cupreous-brown band which extends from the middle of the costa to near the end of the interior border. Hind wings cupreous-brown along the exterior border. Length of the body 4 lines; of the wings 9 lines.

a. Venezuela. From Mr. Dyson's collection.

#### Genus DEBA.

**Fem.** Corpus robustum. Proboscis longa, gracilis. Palpi robusti, squamosi, erecti, apice subfasciculati, verticem paulo superantes; articulus 2us subarcuatus; 3us brevissimus. Antennæ robustæ, serratae, basi contortæ et late pectinatae. Abdomen alæ posticæ sat superans. Pedes graciles; calcaria longa, gracilia. Alæ antice elongatæ, angustæ, margine exteriore subconvexo perobliquo.

**Female.** Body stout. Proboscis long, slender. Palpi stout, squamous, erect, rising a little higher than the vertex, slightly tufted at the tips; second joint slightly curved; third very short. Antennæ stout, serrated, much contorted and broadly pectinated near the base. Abdomen extending somewhat beyond the hind wings. Legs smooth, slender; spurs long, slender. Fore wings elongate, acute, much longer and narrower than the hind wings; exterior border slightly convex, very oblique; first, second and third inferior veins nearly contiguous at the base; fourth moderately remote from the third.

## DEBA SURRECTALIS.

**Fem.** *Cervina; caput et thorax ochracea; abdomen cinereum; alæ antice lineis duabus, punto basali puncto subcostali nigris, linea 1a antemedia subarcuata non obliqua, 2a postmedia obliqua undulata interrupta; posticæ lineis duabus nigris undulatis.*

**Female.** Fawn-colour, shining, pale cinereous beneath. Head and thorax ochraceous. Abdomen cinereous. Fore wings with two black lines; first line near the base, very slightly curved outward, not oblique; second postmedial, oblique, undulating, interrupted in the disk; a black basal point and a black subcostal point at a little beyond the first line. Hind wings with two undulating black lines. Length of the body 6 lines; of the wings 12 lines.

a. Ceylon. Presented by Dr. Templeton.

## Genus ALMONIA.

**Mas.** Corpus vix robustum. Proboscis mediocris. Palpi squamoso-pilosi, oblique ascendentibus, verticem non superantes; articulus 3us minimus. Antennæ glabré, graciles. Abdomen longum, lineare, alas posticas dimidio superans; fasciculus apicalis magnus. Pedes longi, gracillimi; calcaria gracilia; tibiæ posticæ dense fimbriatæ. Alæ antice elongatæ, acutæ, sat angustæ, margine exteriore recto; posticæ margine interior dilatato fasciculato.

**Male.** Body hardly stout. Proboscis of the usual length. Palpi squamous-pilose, moderately broad, obliquely ascending, not rising higher than the vertex; third joint very minute. Antennæ smooth, slender. Abdomen long, linear, extending for half its length beyond the hind wings; apical tuft and appendages large. Legs long, very slender; spurs slender, moderately long; hind tibiæ densely fringed with long hairs. Wings elongate, rather narrow. Fore wings acute; exterior border straight, moderately oblique. Hind wings with the interior border much dilated and densely tufted.

## ALMONIA ONUSTALIS.

**Mas.** *Æneo-fusca; palpi subtus albi, apice cinerei; abdominis fasciculus apicalis albidus; pedes argenteo-cinerei, tibiis posticis nigro-fusco fasciculatis; alæ fascia lata postmedia nigro-fusca.*

**Male.** Æneous-brown. Palpi beneath and pectus silvery white; third joint of the former cinereous. Abdomen beneath and

legs silvery cinereous; apical tuft of the abdomen whitish. Wings with a broad blackish brown postmedial band, which has a bluish tinge in the fore wings. Tufts of the hind tibiæ and of the hind wings blackish brown. Length of the body 6 lines; of the wings 12 lines.

Sula. In Mr. Saunders' collection.

Fam. SCOPARIDÆ, *C. L. H.* xix. 811.

Genus SCOPARIA, *C. L. H.* xix. 814.

**SCOPARIA CENTURIALIS**, *C. L. H.* xix. 815.

a. Austrian Alps. From Dr. H.-Schæffer's collection.

**SCOPARIA INGRATALIS**, *C. L. H.* xix. 817.

a. Alps, Bavaria. From Dr. H.-Schæffer's collection.

**SCOPARIA SUDETICALIS**, *C. L. H.* xix. 821.

a—f. Alps, Bavaria. From Dr. H.-Schæffer's collection.

**SCOPARIA PERPLEXALIS**, *C. L. H.* xix. 818.

a. Austrian Alps. From Dr. H.-Schæffer's collection.

**SCOPARIA PETROPHILA.**

*petrophila*, *Standfuss*, *Stett. Ent. Zeit.* 1848, 312.

Sweden.

**SCOPARIA VANDALIELLA.**

*vandaliella*, *H.-Sch. Eur. Schm.* vi. 143, f. 157.

Andalusia.

**SCOPARIA SIMPLICELLA.**

*simplicella*, *Delaharpe*, *Bull. Soc. Vaud.* vi. 160.

Sicily.

**SCOPARIA ZELLERI.**

*Zelleri*, *Wocke*, *Vaterl. Berl.* 1854.

Silesia.

## SCOPARIA ASPHODELIELLA.

*aspheodeliella*, H.-Sch. Eur. Schm. iv. 143.

Dalmatia. Andalusia.

## SCOPARIA SIBIRICA.

*Sibirica*, Ld. Zool. Bot. Ver. 1853, 34, pl. 7.

Altai.

## SCOPARIA IMPARELLA.

*imparella*, Delaharpe, Wocke, Stett. Ent. Zeit. xxv. 201.

Norway.

## SCOPARIA FASCIALIS.

*fascialis*, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 127.

Canada.

## SCOPARIA STUPIDALIS.

*stupidalis*, Wlk. Trans. Ent. Soc. Lond. 3rd Ser. i. 127.

Brazil.

## SCOPARIA BASALIS.

*Mas.* *Cinerea*; *palpi nigri, latiusculi, intus albi, capitis latitudine paullo longiores*; *alæ antice striga basali nigra obliqua, linea antemedia nigricante dentata albido marginata, reniformi nigro marginata, fascia exteriore nigricante sub-interrupta albido marginata, linea submarginali e guttis nigris; posticæ albido-cineræ.*

*Male.* Cinereous. Head beneath and pectus white. Palpi black, rather broad, white on the inner side, a little longer than the breadth of the head. Maxillary palpi a little more than half the length of the labial palpi. Abdomen and legs whitish cinereous, the former extending very little beyond the hind wings. Fore wings with a black oblique basal streak; a blackish dentate line at a little beyond one-fourth of the length, whitish-bordered on the inner side; reniform mark black-bordered; an exterior blackish irregular and slightly interrupted band, bordered by a whitish line on the inner side and on the outer side by a narrow whitish marginal band, the latter containing a submarginal line of black dots, which vary

in size. Hind wings whitish cinereous. Length of the body  $2\frac{1}{2}$  lines; of the wings 7 lines.

a, b. North America. From Mr. Carter's collection.

#### SCOPARIA RUBIGNALIS.

**Fœm.** *Subcervino-cinerea; caput nigricante fasciatum; palpi oblique ascendentæ, verticem paullo superantes, articulo 3o conico; alæ anticæ nigro conspersæ, gutta basali, fascia antemedia abbreviata strigam cervinam includente, lineis duabus angulosis, gutta strigisque duabus longitudinalibus nigris; posticae fuscescente-cinereæ, fimbria pallide cinerea.*

**Female.** Cinereous. Body silvery white beneath. Head with a blackish band in front of the antennæ. Palpi smooth, obliquely ascending, rising a little higher than the vertex, shorter than the breadth of the head; third joint conical, less than one-fourth of the length of the second. Antennæ and legs slender. Thorax and fore wings slightly tinged with fawn-colour. Fore wings black-speckled, with a black dot near the base and with a black antemedial band, which is abbreviated towards the costa and contains a longitudinal fawn-coloured streak; a zigzag black line near the outer side of the band, and another at three-fourths of the length; a black dot in the disk between the lines; five longitudinal streaks formed by the speckles between the second line and the exterior border. Hind wings brownish cinereous; fringe pale cinereous. Length of the body  $3\frac{1}{2}$  lines; of the wings 9 lines.

a. North America. From Mr. Carter's collection.

#### SCOPARIA LUGUBRALIS.

**Mas.** *Fusca; palpi graciles, porrecti, breves, articulo 3o lanceolato 2i dimidio non breviore; abdomen cinereum, alas posticas longe superans; alæ anticæ cinereæ, atomis, linea antemedia denticulata, linea submarginali undulata fasciaque marginali excavata æneo-fuscis, reniformi et orbiculari fusco marginatis; illa nigricante submarginata, punctis marginalibus nigricantibus; posticae cinereæ.*

**Male.** Brown, cinereous beneath. Palpi slender, porrect, white beneath, much shorter than the breadth of the head; third joint lanceolate, about half the length of the second. Abdomen cinereous, extending much beyond the hind wings. Legs smooth.

**Fore wings cinereous, æneous-brown speckled, with an æneous-brown denticulated antemedial line, and with an æneous-brown undulating line, which is very near to a much excavated æneous-brown marginal band; orbicular and reniform marks brown-bordered, the latter partly blackish hindward; marginal points blackish. Hind wings cinereous. Length of the body 4 lines; of the wings 10 lines.**

**a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.**

#### SCOPARIA BIPLAGIALIS.

**Mas.** *Obscure cinerea; palpi æneo-fusci, porrecti, lati; abdomen argenteo-cinereum, alas posticas sat superans; fasciculo apicali parvo; alæ antice striga basali nigra, plagiis duabus nigro marginatis, linea exteriore undulata fasciaque marginali fuscescensibus, punctis marginalibus obscure fuscis; posticae cinereaæ.*

**Male.** Dark cinereous, pale silvery cinereous beneath. Palpi æneous-brown, porrect, broad, squamous, white beneath towards the base, as long as the breadth of the head. Antennæ stout, pubescent. Abdomen silvery cinereous, extending rather beyond the hind wings; apical tuft small. Tibiæ and tarsi with blackish bands. Fore wings with a black streak at the base, and with two brownish black-bordered patches which extend to the costa; an exterior undulating brownish line and a submarginal brownish band, which is much contracted in the middle; marginal points dark brown. Hind wings cinereous. Length of the body 3 lines; of the wings 7 lines.

**a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.**

#### SCOPARIA CONTEMPTALIS.

**Mas.** *Albida; caput et thorax fusca; palpi porrecti, pilosi, articulo 3o parvo lanceolato; abdomen alas posticas longe superans, fasciculo apicali elongato; alæ antice angustæ, nigro conspersæ, apice rotundatae, lineis duabus angulosis e atomis nigris, guttis duabus maculaque exteriore nigris.*

**Male.** Whitish, silvery whitish beneath. Head and thorax brown. Palpi porrect, pilose, as long as the breadth of the head; third joint lanceolate, about one-fourth of the length of the second. Maxillary palpi fringed, not more than half the length

of the labial palpi. Antennæ stout. Abdomen extending much beyond the hind wings; apical tuft elongate. Anterior femora black; anterior tibiae and tarsi with black bands. Fore wings narrow, black-speckled, rounded at the tips; some of the speckles forming two zigzag black lines, one antemedial, the other postmedial; two black dots and an exterior black spot in the disk between the lines; exterior border nearly straight, very oblique. Length of the body 3 lines; of the wings 7 lines.

a. Cape. From M. Dregé's collection.

#### SCOPARIA DELICATALIS.

**Mac.** Cane; palpi pilosissimi, vix ascendentibus, articulo 3o lanceolato; abdomen album, lateribus subfasciculatis, fasciculo apicali subcompresso; alæ antice plagiis tribus costalibus nigris, fascia submarginali guttisque marginalibus fuscis, fimbria fusco guttata; postice albae.

**Male.** Hoary, shining white beneath. Palpi very pilose, hardly ascending, as long as the breadth of the head; third joint lanceolate. Antennæ stout, minutely pubescent. Abdomen white, extending rather beyond the hind wings, with small tufts along each side; apical tuft slightly compressed. Tibiae and tarsi blackish above; tips of the tarsal joints white. Fore wings with three black costal patches; first patch basal; second antemedial; third post-medial; an irregular brown submarginal band; marginal dots brown; fringe with brown dots. Hind wings white, shining. Length of the body 3 lines; of the wings 8 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

#### SCOPARIA EXHIBITALIS.

**Fœm.** Nigra; palpi dense pilosi, oblique ascendentes; thorax maculis duabus lateribusque posticis albis; abdomen cinereum, segmentis albido fasciatum; alæ antice albo subconspersæ, liture basali, liture paucis longitudinalibus, lineis tribus undulatis punctisque marginalibus albis, fimbria alba nigro notata; postice cinereæ, subhyalinæ.

**Female.** Black, cinereous beneath. Palpi thickly pilose, obliquely ascending. Thorax white on each side towards the hind border and with a white spot on each side of the disk. Abdomen cinereous, with a whitish band on each segment. Fore wings with

some white speckles, with a white basal mark, with a few white longitudinal marks, with a white antemedial undulating line, and with two postmedial undulating white lines, of which the second is abbreviated hindward; marginal points white, transversely elongated; fringe white, with black points. Hind wings cinereous, slightly hyaline. Length of the body 3 lines; of the wings 9 lines.

a. Sydney. From Mr. Diggles' collection.

*Mas?* *Nigra, subitus albida; palpi porrecti, breves, articulo 3o minimo; thorax albo conspersus; abdomen nigricans, segmentis albido marginatis; alae anticæ vix acutæ, fasciis duabus excavatis indeterminatis, lineis duabus submarginalibus interratis punctisque marginalibus albis, fimbria albida nigricante interlineata; posticæ cinereæ, subhyalinæ.*

*Male?* Black, mostly whitish beneath. Palpi porrect, white beneath towards the base, much shorter than the breadth of the head; third joint very minute. Antennæ stout, pubescent. Thorax white-speckled. Abdomen blackish, extending much beyond the hind wings; hind borders of the segments whitish. Fore wings hardly acute, with two very irregular and much excavated white bands, and with two submarginal interrupted white lines, which do not extend to the interior border; marginal points white; fringe whitish, interlined with blackish. Hind wings cinereous, slightly hyaline. Length of the body 3 lines; of the wings  $7\frac{1}{2}$  lines.

b. Australia. From Mr. Damel's collection.

#### SCOPARIA DIPHTHERALIS.

*Fœm.* *Nigricans, subitus albido-cinerea, thoracis latera albida; abdomen cinereum; alæ anticæ strigis discalibus metallicis, litura basali, fasciis tribus undulatis, guttis duabus discalibus punctisque marginalibus elongatis albidis, fascia 1a lata furcata, 2a valde flexa, 3a interrupta; posticæ cinereæ, subhyalinae, spatio marginali obscuriore lineam cinereum denticulatam includente.*

*Var. β.* *Fœm.* *Nigricante-cinerea; abdomen fuscescente-cinereum, segmentis pallido marginatis; anticæ alæ, strigis basalibus nigricantibus, fascia latissima antice dilatata, plaga marginali punctisque marginalibus nigris, plaga postica ochracea.*

**Var.  $\gamma$ . Fem.** *Nigrante-cinerea*; *ala antice nigrae, spatio marginali ex parte cinereo, lineis duabus basalibus approximatis undulatis lineaque exteriore undulata denticulata albidis, striga postice ochracea.*

**Female.** Blackish, whitish cinereous beneath, rather slender. Palpi porrect, densely fringed, a little shorter than the breadth of the head; third joint lanceolate, less than half the length of the second. Antennæ slender. Thorax whitish on each side. Abdomen cinereous, slightly attenuated, extending beyond the hind wings. Fore wings with iridescent metallic streaks in the disk; part of the base, three undulating bands and two discal dots whitish; first band broad, furcate in front and hindward; second much bent; third interrupted; marginal points whitish, elongated; fringe dark cinereous, interlined. Hind wings cinereous, iridescent, slightly hyaline; marginal space darker, including a denticulated cinereous submarginal line. Length of the body 4—5½ lines; of the wings 10—12 lines.

**Var.  $\beta$ . Fem.** Blackish cinereous, pale cinereous beneath. Abdomen brownish cinereous; hind borders of the segments pale cinereous. Fore wings white, with some blackish basal streaks and with a black very broad middle band, which is dilated in front and is connected with an ochraceous binder patch; a black patch on the exterior border nearly connected with the band; marginal points black. Hind wings cinereous, with æneous reflections; under side with a blackish discal streak, and a blackish exterior denticulated and undulating line.

**Var.  $\gamma$ . Female.** Fore wings black, partly cinereous hindward and about the exterior border; two whitish approximate oblique and undulating lines near the base; exterior line whitish, undulating, denticulated, interrupted hindward by a broad irregular ochraceous streak.

**Var.  $\delta$ . Female.** Like var.  $\gamma$ . Fore wings blackish; a whitish slightly oblique band near the base; exterior line slightly interrupted by an ochraceous mark; marginal points black.

**Var.  $\epsilon$ . Female** Like var.  $\delta$ . Fore wings partly cinereous; the band near the base divided hindward; ochraceous mark almost obsolete.

**a—h.** Auckland, New Zealand. From Mr. Oxley's collection.

## SCOPARIA MINUSCULALIS.

**Mas.** *Cinerea*; *palpi porrecti, graciles, lanceolati, subtus albi, capitis latitudine non breviores, articulo 3o minimo; antennæ glabrae; femora postica basi penicillata; alæ antice angustæ, cupreo-fusco suffusæ, fascia postmedia alba lineam fuscam undulatam includente, punctis duobus nigris, maculis duabus albis; postice æneo-cinereæ.*

**Male.** Cinereous, shining. Palpi porrect, lanceolate, slender, white beneath, as long as the breadth of the head; third joint acute, very minute. Maxillary palpi about half the length of the labial palpi. Antennæ smooth, slender. Abdomen extending for half its length beyond the hind wings. Legs smooth, slender; hind femora with a penicillate tuft at the base. Fore wings narrow, mostly tinged with cupreous-brown, excepting a white postmedial band; the latter includes an undulating brown line, which is near and parallel to its outer border; two black spots in the disk on the inner side of the band, one behind the other; two white spots extending to the exterior border; marginal points black. Hind wings æneous-cinereous. Length of the body 4 lines; of the wings 9 lines.

• New Zealand. Presented by the Rev. W. Colenso.

## SCOPARIA LINEALIS.

**Fœm.** *Nigricans; palpi porrecti, fimbriati, capitis latitudine paullo longiores, articulo 3o lanceolato; alæ antice subacutæ, cano conspersæ, linea longitudinali strigisque nonnullis nigris interruptis, lineis duabus canis subangulosis nigro marginatis; postice æneo-cinereæ.*

**Female.** Blackish. Body beneath and legs silvery white. Palpi porrect, fringed, a little longer than the breadth of the head; third joint lanceolate, less than half the length of the second. Antennæ very slender. Legs smooth. Fore wings slightly acute, thickly hoary-speckled, except an interrupted black longitudinal line in the disk and a few slender longitudinal interrupted black streaks near the exterior border; two hoary slightly zigzag lines; one at rather beyond one-fourth of the length, black-bordered on the outer side; the other at much beyond three-fourths of the length, black-bordered on the inner side; marginal points black. Hind wings

cinereous-cinereous. Length of the body 4 lines; of the wings 9 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

#### SCOPARIA MINUALIS.

Fœm. *Cinerea; palpi porrecti, pilosi, capitis latitudine breviores, articulo 3o longi-conico; alæ anticae nigricante consperse, lituris basalibus fasciisque duabus excavatis nigricantibus, linea inter fascias nigricante, fascia 2a strigam latam luteo albidadam maculamque subapicalem albidadam includente, lineola discali longitudinali lutea, guttis marginalibus nigricantibus.*

Female. Cinereous. Palpi porrect, pilose, shorter than the breadth of the head; third joint elongate-conical, acute, about half the length of the second. Maxillary palpi much shorter than the labial palpi. Abdomen, legs and hind wings pale cinereous, the latter slightly hyaline. Fore wings blackish-speckled, with some small blackish marks near the base and with two irregular and excavated blackish bands; an undulating blackish line near the inner side of the second band, which is interrupted by a broad whitish partly luteous streak and contains a whitish subapical spot; a slight luteous longitudinal line in the disk; marginal dots blackish. Length of the body 3 lines; of the wings 8 lines.

a, b. New Zealand. Presented by Col. Bolton.

#### Genus THELETERIA.

*Theleteria* Ld. Wien. Ent. Mon. vii. 350.

##### THELETERIA PUPULA.

*pupula*, Zl. Linn. Ent. i. 273, pl. 2, f. 2—*Theleteria pupula*, Ld. Wien. Ent. Mon. vii. 351, pl. 7, f. 15.

Brazil.

#### Genus AURADISA.

Mas. Corpus sat robustum. Proboscis mediocris. Palpi sat robusti, supra frontem incumbentes; articulus 3us lanceolatus, 2o multo brevior. Antennæ robustæ, dense setosæ. Abdomen alas posticas non superans; fasciculus apicalis parvus, subcompressus. Pedes lèves, graciles, breviusculi; calcaria gracilia. Alæ anticae elongatæ, acutæ, margine exteriore subconvexo.

**Male.** Body moderately stout. Proboscis of the usual length. Palpi rather stout, applied to the head and resting on the front, extending nearly to the base of the antennæ; third joint lanceolate, much shorter than the second. Antennæ stout, densely setose. Abdomen not extending beyond the hind wings; apical tuft small, slightly compressed. Legs smooth, slender, rather short; spurs slender. Wings elongate. Fore wings acute; exterior border slightly convex, moderately oblique; third inferior vein about twice further from the fourth than from the second.

#### AURADISA GELIDALIS.

**Mas.** *Alba, nigro conspersa; caput et thorax nigro fasciata; alæ antice litura costali, lineis quatuor dentatis punctisque marginalibus elongatis nigris, fimbria nigro punctata; posticæ semihyalinæ, margine exteriore fuscescente, punctis marginalibus nigricantibus.*

**Male.** White. Head with a broad black band on the front. Palpi on the outer side, thorax and fore wings black-speckled. Thorax with a narrow black band. Fore wings with a black costal mark at the base and with four irregular dentate black lines, two of which are antemedial and two postmedial; marginal points black, very much elongated transversely; fringe with black points. Hind wings iridescent, semihyaline, slightly tinged with brown along the exterior border; marginal points blackish, slightly elongated transversely. Length of the body 3 lines; of the wings 8 lines.

**a.** Honduras. From Mr. Miller's collection.

#### Genus NIGETIA.

**Mas.** Corpus gracile. Caput supra subglobosum; fasciculus frontalis productus. Proboscis brevis. Palpi oblique ascendentibus, verticem non superantes; articulus 2us subtus densissime squamoso-fasciculatus; 3us conicus, minimus. Antennæ validæ, pubescentes, subserratae. Abdomen lanceolatum, alas posticas per paullo superans; fasciculus apicalis parvus. Pedes lœves, graciles; tibiae posticæ subfimbriatae; calcaria longa, gracilia. Alæ antice elongatæ, acutæ, sat angustæ, margine exteriore recto sat obliquo.

**Male.** Body slender. Head slightly globose above; frontal tuft prominent. Proboscis short. Palpi obliquely ascending, not rising higher than the vertex; second joint most densely tufted beneath with squamous hairs; third conical, very minute. Antennæ stout, pubescent, slightly serrated. Abdomen tapering from the base

to the tip, extending very little beyond the hind wings; apical tuft small. Legs smooth, slender; hind tibiae slightly fringed; spurs long, slender. Wings elongate, rather narrow. Fore wings acute; exterior border straight, rather oblique; second and third inferior veins united and forming a common petiole towards their base; fourth rather remote.

#### NIGETIA FORMOSALIS.

*Mas.* *Alba, subtus cinerea; caput nigrum, vertice albo; abdomen aeneo-cinereum, basi apiceque album, fascia subapicali lineolisque duabus apicalibus nigris; pedes antici supra nigri; alæ antice vitta costali fasciaque media obliqua latè aeneo-nigra, fascia submarginali cervina diffusa, fascia marginali maculari glauco-cinerea, lunulis marginalibus nigris; postice aeneo-cinereæ, striga apud angulum interiorem alba obliqua.*

*Male.* White, cinereous beneath. Head, except the vertex, and palpi black, the latter with a chalybeous tinge. Antennæ black. Abdomen aeneous-cinereous, white at the base and at the tip, with a black band near the tip; a black longitudinal line on each side of the apical tuft. Fore femora and anterior tibiae mostly black above. Fore wings with a broad costal stripe and a broad oblique middle band aeneous-black; costa with some oblique very small white streaks; an incomplete diffuse fawn-coloured submarginal band, and a glaucous-cinereous macular marginal band; marginal lunules black. Hind wings aeneous-cinereous, with a white oblique streak by the interior angle and with a brown marginal line. Length of the body 3 lines; of the wings 10 lines.

a. —?

#### Genus TRIBUNTA.

*Mas.* Corpus sat gracile. Proboscis brevis. Palpi porrecti, squamosi, supra convexi, capitis latitudine non breviores; articulus 3us lanceolatus, 2i dimidio brevior. Antennæ dense setosæ. Abdomen alas posticas sat superans; sexualia magna. Pedes graciles; calcaria longissima. Alæ antice asperæ, sat angustæ, apice subrotundatæ, margine exteriore perobliquo vix convexo.

*Male.* Body rather slender. Proboscis short. Palpi porrect, squamous, convex above, as long as the breadth of the head; third joint lanceolate, less than half the length of the second. Antennæ densely setose; bristles rather long. Abdomen extending somewhat beyond the hind wings; apical appendages large. Legs smooth,

slender; spurs slender, very long. Wings rather narrow. Fore wings scabrous, or with some rough marks formed by obliquely elevated scales, slightly rounded at the tips; exterior border hardly convex, very oblique.

#### TRIBUNTA SCABRALIS.

**Mas.** *Obscure cinerea; alæ antice lineis tribus nigricantibus obliquis angulosis, lituris quinque e squamis asperis; posticæ pallidiores.*

**Male.** Dark cinereous. Abdomen, hind wings and under side paler. Fore wings with three zigzag oblique blackish lines; first line antemedial; second postmedial; third submarginal; five marks formed by the elevated scales; first, second and third subcostal; first near the base; second and third between the first and second lines; fourth and fifth on the third line. Length of the body  $2\frac{1}{2}$  lines; of the wings 6 lines.

**a.** Australia. From Mr. Damel's collection.

#### TRIBUNTA BIGUTTALIS.

**Mas.** *Cinerea, nigro subconspersa; antennæ articulo 1o apice nigricante; alæ antice lineis tribus obliquis angulatis, 1a 2aque nigricantibus, 3a fusca indistincta, lineis duabus exterioribus punctularibus maculaque rotunda scabra nigris, plaga costali fusca.*

**Male.** Cinereous, slightly black-speckled. Antennæ with the first joint blackish at the tip. Fore wings with three oblique lines, each of which forms an outward angle; first and second lines blackish; first very near the base; second antemedial, contiguous to a round black discal slightly scabrous spot which joins a brown costal patch; third brown, indistinct; three exterior oblique lines composed of elongated black points, the third marginal. Length of the body  $2\frac{1}{2}$  lines; of the wings 7 lines.

**a.** Australia. From Mr. Damel's collection.

## ADDITIONAL SPECIES.

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Fam. PLATYDIDÆ, C. L. H. xvi. 2.

### Genus PHAGYTRA.

*Fæm.* Corpus robustum. Proboscis mediocris. Palpi validi, squamosi, oblique ascendentēs, verticem longe superantes; articulus 3us linearis, 2o multo brevior. Antennæ graciles. Thoracis tegulae posticæ longissimæ. Abdomen lanceolatum, alas posticas paulo superans. Pedes robusti; femora antica tibiæque penicillato fasciculata; calcaria brevia. Alæ amplæ, margine exteriore dentato; anticæ acutæ, margine exteriore postico sat obliquo.

*Female.* Body stout. Proboscis of the usual length. Palpi robust, squamous, obliquely ascending, rising much higher than the vertex; third joint linear, conical at the tip, much shorter than the second. Antennæ slender. Hind tegulae of the thorax extending over the base of the abdomen. Abdomen lanceolate, extending a little beyond the hind wings. Legs stout; tibiæ and fore femora tufted with penicillate hairs; spurs short. Wings ample; exterior border dentate. Fore wings acute; first and second inferior veins contiguous at the base; third very near the second; fourth remote; hind part of the exterior border rather oblique.

### PHAGYTRA LEUCOGASTRALIS.

*Fæm.* Alba; caput et thorax fuscō conspersa; thoracis tegulae posticæ apice albæ; abdomen plagiis duabus lateralibus fuscis nigro conspersis, punctis sex posterioribus lateralibus nigris; alæ anticae fuscæ, basi albæ fuscō conspersæ, lineis tribus angulosis obscure fuscis, 1a angulosa, 2a dentata flexa, 3a marginaque exteriore parallelis, plagiis duabus albidis fuscō conspersis, 2a costali, striga subapicali alba angulosa; postice albæ, punctis, linea submarginali interrupta plagaque apicali obscure fuscis.

*Female.* White. Head, thorax, palpi and legs brown-speckled. Hind tegulae of the thorax white towards the tips. Abdomen with a brown black-speckled patch on each side of the second and third

segments; fourth, fifth and sixth segments with a black point on each side. Fore wings brown; one-fourth of the surface from the base irregularly white, with brown speckles; three dark brown lines; first line antemedial, zigzag; second postmedial, dentate, much bent outward; third submarginal, parallel to the exterior border; a whitish brown-speckled patch at the end of the areolet and another on the costa beyond the middle; some elongated white points along the apical part of the costa, and a short zigzag subapical white streak. Hind wings white, with a large dark brown apical patch, with elongated dark brown points on the veins at three-fourths of the length, and with an interrupted slender dark brown submarginal line. Length of the body 8 lines; of the wings 18 lines.

a. Java. Presented by the Secretary of the India Board.

Fam. HYPENIDÆ, *C. L. H.* xvi. 11.

Genus HYPENA, *C. L. H.* xvi. 21.

HYPENA SUBVITTALIS, p. 1143.

*Male.* Head, thorax and fore wings with a purplish tinge. Frontal tuft very long and acute. Fore wings with a black subcostal stripe, which extends from one-third of the length nearly to the tip, and is interrupted by two cinereous patches; a submarginal line of black cinereous-marked points. Length of the body 4 lines; of the wings 10 lines.

The description in p. 1143 is from a wasted specimen.

b. Java. Presented by the Secretary of the India Board.

HYPENA CONSCITALIS.

Fœm. *Cinerea; caput et thorax ochraceo-cinerea; palpi cani, porrecti, capitis latitudine duplo longiores, articulo 3o lanceolato oblique ascendente; alæ breviusculæ, latiusculæ; antice ochraceæ, vitta costali lata fasciaque marginali latiore canis, hac lineas tres diffusas fuscescentes includente, punctis duobus nigris; postice linea marginali fuscescente.*

*Female.* Cinereous. Body beneath and legs white. Head and thorax ochraceous-cinereous. Frontal tuft hoary, porrect, very long and acute. Palpi hoary, porrect, squamous, white beneath, twice longer than the breadth of the head; third joint lanceolate, squamous towards the base, obliquely ascending, less than half the

length of the second. Abdomen not extending beyond the hind wings. Wings rather short and broad; fringe cinereous, with two brown lines near the base. Fore wings acute, ochraceous, with a broad hoary costal stripe and with a broader hoary marginal band, which widens from the tip to the interior border and is bordered with a white line and a black line on the inner side, and with a whitish line and a brown line on the outer side, and contains three diffuse brownish lines, of which the middle one is the least indistinct; two black points connected with the inner side of the costal stripe; exterior border convex, slightly oblique. Hind wings with a brownish marginal line. Length of the body  $4\frac{1}{2}$  lines; of the wings 11 lines.

Most nearly allied to *H. abjuralis*.

a. Java. Presented by the Secretary of the India Board.

#### HYPENA CURVIFERALIS.

Fœm. *Cana; caput et thorax subrufescens; palpi cinereo-cer-  
vini, subtus albi, capitis latitudine fere duplo longiores, arti-  
culo 3o lanceolato brevi; abdomen cinereum, segmentis albido  
marginatis; alæ anticae subglaucescentes, nigro subconspersæ,  
puncto albo, linea lineolisque quatuor ferrugineis subarcuatis;  
posticæ cinereæ, fascia marginali fuscescente diffusa.*

*Female.* Hoary. Body and legs white beneath. Head, thorax and fore wings with a slight reddish tinge. Frontal tuft porrect, acute. Palpi porrect, cinereous fawn-colour, white beneath, nearly twice longer than the breadth of the head; third joint lanceolate, less than one-fourth of the length of the second. Abdomen cinereous, not extending beyond the hind wings; hind borders of the segments whitish. Fore wings acute, with a glaucous tinge, thinly and minutely black-speckled; a white point in the disk at the base of the areolet; a slightly-curved ferruginous line extending from near the base of the interior border to the tip; this line is accompanied by five shorter slightly curved ferruginous lines, of which one is in front of it and near the base of the wing, and the other four are behind it; fringe cinereous, including two brown lines; exterior border slightly convex, moderately oblique. Hind wings cinereous, with a diffuse brownish marginal band. Length of the body 6 lines; of the wings 18 lines.

Much allied to *H. abducans*.

a, b. Java. Presented by the Secretary of the India Board.

## HYPENA SEMICLUSALIS.

**Mas.** *Fusca; fasciculus frontalis elongatus; palpi porrecti, capitis latitudine multo longiores, articulo 3o lanceolato sub-ascendente apice albido; abdomen alas posticas non superans; alæ anticæ breviusculæ, latiusculæ, linea basali cinerea angu-losa, punctis duobus nigris albido notatis; linea postmedia alba subundulata vix obliqua nigro marginata, fascia exteriore plagaque apicali e atomis canis, linea subapicali cana arcuata, guttis duabus subapicalibus nigris, linea submarginali cana angulosa vix conspicua, linea marginali obscure fusca nigro punctata albo marginata; posticæ cinereo-fuscæ, linea mar-ginali fusca.*

**Male.** Brown, stout. Body and legs beneath silvery cinereous. Frontal tuft porrect, long, acute. Palpi porrect, much longer than the breadth of the head; third joint lanceolate, obliquely ascending, whitish at the tip, full half the length of the second. Antennæ setulose. Abdomen cinereous-brown, not extending beyond the hind wings. Wings rather short and broad; fringe with two cinereous lines. Fore wings acute; a zigzag cinereous line near the base; two black whitish-marked points; one antemedial, the other postmedial; a postmedial white hardly oblique very slightly undulating line, which is black-bordered on its inner side and is connected on its outer side with a diffuse band of hoary speckles; an apical patch of hoary speckles, which is bordered by a subapical curved hoary line, the latter half including two black dots; four white costal points in front of the patch; a very indistinct zigzag hoary submarginal line; a dark brown marginal line bordered with white on the inner side and containing black points; exterior border slightly convex and oblique. Hind wings cinereous-brown, with a brown marginal line. Length of the body 5 lines; of the wings 13 lines.

**a, b. Java.** Presented by the Secretary of the India Board.

## HYPENA SPARSALIS.

**Fœm.** *Fusca, cano conspersa; fasciculus frontalis acutus; palpi porrecti, capitis latitudine fere duplo longiores, articulo 3o lanceolato oblique ascendente; abdomen alas posticas non superans, segmentis albido marginatis; alæ breviusculæ, latiusculæ, fimbria cinerea fusco bilineata; anticæ lineis duabus*

*canis angulosus, punctis duobus intermediis nigris, lunuli marginalibus canis, punctis marginalibus nigris; postice cinereo-fusca, linea marginali fusca.*

*Female.* Brown, irregularly hoary-speckled. Body hoary beneath. Frontal tuft porrect, acute. Palpi porrect, squamous, nearly twice longer than the breadth of the head; third joint lanceolate, obliquely ascending, squamous towards the base, about one-third of the length of the second. Abdomen cinereous-brown, not extending beyond the hind wings; hind borders of the segments whitish. Wings rather short and broad; fringe cinereous, with two brown lines. Fore wings acute, with two hoary zigzag lines; first line antemedial, oblique, twice nearer to the second on the interior border than on the costa; second postmedial; two black points between the lines; three white costal points near the tip; marginal lunules hoary, accompanied by white points; exterior border convex, very slightly oblique. Hind wings cinereous-brown; marginal line brown. Length of the body 5 lines; of the wings 12 lines.

a—c. Java. Presented by the Secretary of the India Board.

#### HYPENA VITELLINALIS.

*Fœm.* *Cervina; fasciculus frontalis longus, acutus; palpi porrecti, subtus basi albi, capitis latitudine fere triplo longiores, articulo 3o lanceolato subascendente; abdomen cinereum, alas posticas non superans; alæ anticae luteæ, elongatae, fusco conspersæ, costa vittaque angulata glauco-canis fusco conspersis, punto fusco, striga apicali albida obliqua; posticae cinerea, linea marginali pallide fusca.*

*Female.* Fawn-colour. Body beneath and legs white. Frontal tuft porrect, long, acute. Palpi porrect, white beneath at the base, nearly thrice longer than the breadth of the head; third joint lanceolate, slightly ascending, not more than one-fourth of the length of the second. Abdomen cinereous, not extending beyond the hind wings. Wings elongate. Fore wings acute, luteous, mostly brown-speckled, glaucous-hoary and brown-speckled along the costa, and with an irregular angular stripe of the same hue near the interior border; a brown point at the base of the areolet; a whitish oblique streak extending from the tip to the disk; exterior border convex, moderately oblique. Hind wings cinereous; marginal line pale brown. Length of the body 5 lines; of the wings 14 lines.

a. Java. Presented by the Secretary of the India Board.

## HYPENA INAPERTALIS.

**Mas.** *Cervina, robusta; fasciculus frontalis acutus; palpi porrecti, latiusculi, capitis latitudine multo longiores, articulo 3o lanceolato; abdomen cinereum, alas posticas non superans, segmentis albido marginatis, fasciculo apicali minimo; alae latæ, fusco bilineatæ, fimbria cinerea; antica vix acutæ, lineis duabus obscurioribus angulosis, 1a indistincta, 2a albo ex parte marginata, linea submarginali cinerea angulosa vix conspicua, punctis marginalibus nigris; posticæ cinereæ.*

**Male.** Fawn-colour, stout. Body white beneath. Frontal tuft porrect, acute. Palpi porrect, squamous, rather broad, much longer than the breadth of the head; third joint lanceolate, bare at the tip, about one-fourth of the length of the second. Antennæ setose. Abdomen cinereous, not extending beyond the hind wings; hind borders of the segments whitish; apical tuft extremely small. Wings broad; fringe cinereous, with two pale brown lines. Fore wings hardly acute; two darker zigzag lines, each accompanied by a brown point; first line antemedial, very indistinct; second post-medial, partly bordered with white on the outer side; a very indistinct zigzag cinereous submarginal line; marginal points black; exterior border slightly convex and oblique. Hind wings cinereous. Length of the body 5 lines; of the wings 14 lines.

**a. Java.** Presented by the Secretary of the India Board.

## HYPENA TRUNCATALIS.

**Fœm.** *Pallide rufescens; fasciculus frontalis porrectus, brevissimus; palpi porrecti, graciles, nigro conspersi, late fimbriati, thoracis latitudine triplo longiores, articulo 3o lanceolato fimbriato subascendente; abdomen alas posticas longe superans; pedes longi, graciles, tibiis anticis subtus fusco alboque fimbriatis, tarsis anticis nigrantibus; alæ elongatæ, nigrante subconspersæ, linea postmedia ferruginea subobliqua, punctis marginalibus nigris; anticae punto antemedio; posticæ apud angulum interiore truncatae.*

**Female.** Pale reddish. Body beneath and legs white. Frontal tuft porrect, very short. Palpi porrect, slender, black-speckled, broadly fringed above, full thrice longer than the breadth of the head; third joint lanceolate, very slightly ascending, fringed above and beneath, not more than one-third of the length of the second.

Abdomen extending much beyond the hind wings. Legs long, slender. Fore legs reddish above; fore tibiæ fringed beneath with brown and with white hairs; fore tarsi blackish. Wings elongate, very minutely blackish-speckled; a straight postmedial slightly oblique ferruginous line; marginal points black. Fore wings acute; a black antemedial point in the disk; exterior border slightly convex and oblique. Hind wings much truncated about the interior angle. Length of the body 6 lines; of the wings 14 lines.

a. Java. Presented by the Secretary of the India Board.

#### HYPENA TRANSCISSALIS.

Mas. *Fusca, robusta; caput et thorax cinereo conspersa; palpi porrecti, capitis latitudine multo longiores, articulo 3o lanceolato subascendente; abdomen cinereum, lanceolatum, alas posticas non superans, segmentis 1o 2o et 3o subfasciculatis; ale antice nigricante-fuscae, vitta lata costali vittaque postica pallidioribus cano conspersis, punto antemedio lunulaque postmedia, striga perobliqua antemedia, linea obliqua postmedia apud costam dilatata cano fuscoque conspersa, linea marginali nigricante; postice albidae, fascia marginali fusca diffusa, linea marginali obscure fusca.*

*Male.* Brown, robust. Body pale cinereous beneath. Head and thorax cinereous-speckled. Frontal tuft porrect, long, acute. Palpi porrect, much longer than the breadth of the head; third joint lanceolate, slightly ascending, much shorter than the second. Antennæ setose. Abdomen cinereous, lanceolate, not extending beyond the hind wings; first, second and third segments slightly twisted; apical tuft extremely small. Anterior femora and tibiæ beneath and hind legs whitish. Wings with a cinereous fringe, which includes two brown lines. Fore wings blackish brown, except a broad costal stripe and a narrow stripe along the interior border; these are paler brown and hoary-speckled; an antemedial point and a postmedial lunule; a white very oblique streak in the disk near the base; a white oblique line beyond the lunule, 'dilated hoary and brown-speckled near the costa; marginal festoon blackish; a few hoary speckles along the exterior border, which is slightly convex and oblique. Hind wings whitish, with a diffuse brown marginal band; marginal line dark brown. Length of the body 6 lines; of the wings 16 lines.

a. Java. Presented by the Secretary of the India Board.

## HYPENA PROPINQUALIS.

**Mas.** *Cinerea; fasciculus frontalis canus, longus; palpi fuscii, subfimbriati, capitis latitudine duplo longiores, articulo 3o lanceolato apice nudo; abdomen lanceolatum, alas posticas non superans, fasciculo apicali minimo; alæ antice fusco conspersæ, vitta nigricante-fusca lata flexa, linea obliqua alba costam versus dilatata fuscoque conspersa, punto antemedio elongato lunulisque marginalibus nigris, lunula postmedia fusca; postice æneo-cinereæ, linea marginali fusca.*

**Male.** Cinereous, paler beneath. Frontal tuft hoary, porrect, long, acute. Palpi brown, porrect, with a short fringe, twice longer than the breadth of the head; third joint lanceolate, bare at the tip, hardly half the length of the second. Antennæ setose. Abdomen lanceolate, not extending beyond the hind wings; apical tuft extremely small. Anterior femora and tibiae beneath and hind legs whitish. Fore wings acute, brown-speckled; a blackish brown broad irregular stripe in the disk, bent beyond the middle and extending nearly to the tip; a white oblique line traversing the band, extending to the tip, near which it is dilated and brown-speckled; a black antemedial longitudinally-elongated point; a brown post-medial lunule; marginal lunules black; exterior border convex, moderately oblique. Hind wings æneous-cinereous; marginal line brown. Length of the body 5 lines; of the wings 14 lines.

Closely allied to the preceding species.

**a. Java.** Presented by the Secretary of the India Board.

## HYPENA THERMESIALIS.

**Fœm.** *Ferrugineo-fusca; palpi verticem longe superantes, capitis latitudine multo longiores, articulo 2o oblique ascende, 3o lanceolato erecto apice cinereo; abdomen alas posticas non superans; pedes robusti; alæ breviusculæ, latiusculæ, fimbria cinereo trilineata; anticæ glauco suffusæ, punto antemedio nigro cinereo notato, linea media alba recta subobliqua nigro marginata, striga subapicali cinerea arcuata, linea marginali obscure fusca nigro punctata; postice cinereo-fuscae, linea marginali fusca.*

**Female.** Ferruginous-brown, cinereous beneath. Palpi much longer than the breadth of the head, rising high above the vertex;

second joint obliquely ascending; third lanceolate, erect, cinereous at the tip, much shorter than the second. Abdomen brownish cinereous, not extending beyond the hind wings. Legs stout. Wings rather short and broad; fringe with three cinereous lines. Fore wings acute, irregularly glaucous-tinged, with a black cinereous-marked antemedial point, and with a white straight slightly oblique middle line, which is black-bordered on the inner side; a curved cinereous subapical streak; four white costal points near the tip; marginal line dark brown, with black points; exterior border convex, hardly oblique. Hind wings cinereous-brown, with a brown marginal line. Length of the body 5 lines; of the wings 13 lines.

*a.* Java. Presented by the Secretary of the India Board.

#### HYPENA GONOSPILALIS.

*Mas.* *Cinereo-fusca; fasciculus frontalis longus; palpi graciles, subfimbriati, capitis latitudine multo longiores, articulo 3o lanceolato subascendente, apice albido nudo; abdomen alas posticas non superans, fasciculo apicali parvo; pedes sat graciles; alæ antice late, plaga magna subquadrata, macula oblonga strigaque subapicali arcuata nigra, linea submarginali cinerea angulosa indistincta nigra ex parte marginata.*

*Male.* Cinereous-brown, cinereous beneath. Frontal tuft porrect, long, acute. Palpiporrect, slender, with a short thick fringe, much longer than the breadth of the head; third joint lanceolate, obliquely ascending, bare and whitish at the tip, full half the length of the second. Antennæ setulose. Abdomen cinereous, not extending beyond the hind wings; apical tuft small. Legs rather slender. Wings broad, with a black marginal festoon. Fore wings acute, with a large subquadrate black patch, which rests on the interior border, is bordered by two cinereous zigzag lines, and is nearly connected by an oblong black spot with an irregular curved black subapical streak; submarginal line cinereous, zigzag, indistinct, partly bordered with black; four white costal points near the tip; exterior border slightly convex and oblique. Length of the body 5 lines; of the wings 13 lines.

*a, b.* Java. Presented by the Secretary of the India Board.

## Genus RHABANA.

*Fœm.* Corpus robustum. Fasciculus frontalis porrectus, longus, acutus. Proboscis brevissima, gracillima. Palpi porrecti, pilosi, capit is latitudine fere duplo longiores; articulus 3us lanceolatus, 2i dimidio brevior. Antennæ graciles. Abdomen alas posticas non superans. Pedes robusti, pubescentes; calcaria longa, gracilia. Alæ amplissimæ; anticæ acutæ, subfalcatae, costa subconvexa basi dilatata, margine exteriore angulata antice subexcavato; posticæ subacutæ.

*Female.* Body stout. Frontal tuft porrect, long, acute. Proboscis very short and slender. Palpi porrect, pilose, nearly twice longer than the breadth of the head; third joint lanceolate, less than half the length of the second. Antennæ slender. Abdomen not extending beyond the hind wings. Legs stout, pubescent; spurs long, slender. Wings very ample. Fore wings acute, subfalcate, dilated towards the base of the costa, which is slightly convex; exterior border angular in the middle, slightly excavated in front of the angle; third inferior vein remote from the second. Hind wings slightly acute; exterior border hardly angular.

## RHABANA PLATYCHLORALIS.

*Fœm.* Læte prasina; fasciculus frontalis ferrugineus; palpi ferruginei, apices versus albidi; pectus, abdomen et pedes rufescente-cinereæ; alæ anticæ plaga magna postica fusca; posticæ pallide rufæ, linea postmedia diffusa lineaque submarginali denticulata fuscis.

*Female.* Vivid grass-green. Frontal tuft and palpi ferruginous, the latter whitish above towards the tips. Pectus, abdomen and legs reddish cinereous. Fore legs dark ferruginous; tips of the tibiae and of the joints of the tarsi whitish. Wings with a cinereous fringe, which is interlined with brown. Fore wings with a large brown patch about the interior angle. Hind wings pale red, with a diffuse brown postmedial line and a denticulated brown submarginal line. Length of the body  $8\frac{1}{2}$  lines; of the wings 28 lines.

a. Java. Presented by the Secretary of the India Board.

## Genus METHORA.

*Fœm.* Corpus robustum. Fasciculus frontalis subproductus. Proboscis brevis. Palpi lati, squamosi, capit is latitudine duplo

*longiores; articulus 3us obtusus, 2o brevior. Antennæ graciles. Abdomen alas posticas non superans. Pedes breves, robusti; calcara longa, gracilia. Alæ latæ, breviusculæ; antica apice rectangulata, costa dimidio basali convexo, margine exteriore subconvexo non obliquo; posticæ margine interiore dense fimbriato.*

*Female.* Body stout. Frontal tuft slightly prominent. Proboscis short. Palpi broad, squamous, twice longer than the breadth of the head; third joint rather shorter than the second, obtuse at the tip. Antenna slender. Abdomen not extending beyond the hind wings. Legs short, stout; spurs long, slender. Wings broad, rather short. Fore wings rectangular at the tips; costa convex for half the length from the base; exterior border slightly rounded, not oblique; third inferior vein remote from the second; fourth more remote from the third. Hind wings densely fringed along the interior border.

#### METHOZA TORTRICALIS.

*Fem. Rufescens; palpi nigricantes; alæ antica apud marginem exteriorem obscuriores, lineis duabus cinereis, 1a undulata, 2a obliqua, punctis tribus costalibus nigricantibus elongatis; posticæ fuscescentes.*

*Female.* Reddish. Body beneath and legs cinereous. Palpi mostly blackish on the outer side. Wings with black marginal lunules, which are apparent on the under side only of the hind wings. Fore wings irregularly darker about the exterior border, with two cinereous lines; first line autemedial, undulating; second extending from somewhat beyond the middle of the costa nearly to the exterior border at one-fourth of the length of the latter from the interior angle; three elongated blackish costal points near the tip. Hind wings brownish. Length of the body 7 lines; of the wings 18 lines.

a. Java. Presented by the Secretary of the India Board.

Fam. HERMINIDÆ, C. L. H. xvi. 85.

Genus HERMINIA, C. L. H. xvi. 96.

HERMINIA? INCERTALIS.

*Mas. Cinereo-fusca; palpi graciles, late fimbriati, obliqui ascendentis, verticem longe superantes, articulo 3o lanceolati gracillimo; antennæ subpectinatae; alæ latæ, linea marginali fusca, fimbria albida; antica peracuta, lineis tribus albidis obliquis subrectis fusco marginatis, striga brevi transversa*

*albida*; *postica linea submarginali albida abbreviata fuscum marginata*.

*Male.* Cinereous-brown. Palpi straight, slender, broadly fringed, obliquely ascending, rising much higher than the vertex; third joint lanceolate, very slender, more than half the length of the second. Antennæ slightly pectinated, the branches ending in slender bristles. Abdomen hardly extending beyond the hind wings; apical tuft very small. Legs slender. Wings broad; marginal line brown; fringe whitish. Fore wings very acute, with three whitish oblique brown-bordered nearly straight lines; first line antemedial; second postmedial; third submarginal, diverging hindward from the exterior border; a short transverse whitish streak in the disk between the first and second lines; four whitish costal points near the tip; exterior border slightly convex, moderately oblique. Hind wings with a whitish brown-bordered much abbreviated submarginal line. Length of the body 5 lines; of the wings 12 lines.

**a. Java.** Presented by the Secretary of the India Board.

Genus MEGATOMIS, *C. L. H.* xvi. 142.

MEGATOMIS FERRILUNALIS.

*ferrilinealis*, page 1165.

Genus MARIMATHA, page 1294.

MARIMATHA? TRAJEUTALIS.

*Mas.* Ochraceo-cervina, sat robusta; palpi subarcuati, verticem superantes, articulo 3o lanceolato; abdomen lanceolatum, alas posticas longe superans, fasciculo apicali minimo; alæ anticae elongatae, subfalcatae, lineis duabus cinereis ochraceo marginatis, 1a flexa, 2a recta non obliqua; plaga lineaque submarginali angulosa indistincta ochraceis, punctis marginalibus nigricantibus; posticae cinereæ.

*Male.* Ochraceous fawn-colour, rather stout, cinereous beneath. Palpi squamous, slightly curved, rising higher than the vertex, longer than the breadth of the head; third joint lanceolate, much shorter and more slender than the second. Antennæ rather slender, minutely setulose. Abdomen lanceolate, extending much beyond the hind wings; apical tuft very small. Legs rather slender. Wings elongate. Fore wings subfalcate, acute, with two cinereous

lines, which are bordered with deeper ochraceous on the inner side; first line near the base, bent outward; second a little beyond the middle, straight, not oblique; an ochraceous patch in the disk between the second line and an indistinct zigzag ochraceous submarginal line; marginal points blackish; exterior border convex, slightly oblique. Hind wings cinereous. Length of the body  $4\frac{1}{2}$  lines; of the wings 9 lines.

a. St. Domingo. From Mr. Tweedie's collection.

#### Page 1263.

The genus *Parachma* and *Parachma ochracealis* may be annulled, for the latter is the male of *Zazaca auralalis*, page 1269.

#### Genus MARGANA.

*Mas.* Corpus sat robustum. Fasciculus frontalis subproductus. Proboscis gracilis, breviuscula. Palpi graciles, squamosi, subarcuati, oblique ascendentes, verticem superantes; articulus 3us apice nudus, 2o multo brevior. Antennæ graciles, dense setulosæ. Abdomen sublanceolatum, subtus basi lanuginosum, alas posticas sat superans; fasciculus apicalis spissus, sat magnus. Pedes sat robusti; tibiae posticae incrassatæ, dense fasciculatæ. Alæ anticæ elongatæ, peracutæ, costæ dimidio basali subconvexo, margine exteriore angulato.

*Male.* Body rather stout. Frontal tuft slightly prominent. Proboscis slender, rather short. Palpi slender, squamous, slightly curved, obliquely ascending, rising higher than the vertex, twice longer than the breadth of the head; third joint acute, bare at the tip, very much shorter than the second. Antennæ slender, densely setulose. Abdomen tapering very slightly from the base to the tip, extending rather beyond the hind wings, lanuginous beneath towards the base; apical tuft thick, rather large. Legs rather stout; hind tibiae incrassated, densely tufted; spurs slender, moderately long. Wings elongate, moderately broad. Fore wings very acute; costa slightly convex for rather more than half the length from the base; exterior border angular in the middle. Hind wings with the interior border broadly fringed.

#### MARGANA SECLUSALIS.

*Mas.* *Cervina*; corpus subtus albidum; alæ lineis tribus obliquis fuscescens, 1a diffusa, 2a denticulata, 3a angulosa, lunulis

*marginalibus fuscis; antice linea basali angulosa fuscescente,  
striga transversa fusca.*

**Male.** Fawn-colour. Body whitish beneath. Wings with three brownish oblique lines; first line antemedial, diffuse; second postmedial, denticulated; third submarginal, zigzag; marginal festoon brown. Fore wings with a zigzag brownish line near the base; a brown transverse mark close to the outer side of the antemedial line; four whitish costal points near the tip. Length of the body 5 lines; of the wings 12 lines.

a. Java. Presented by the Secretary of the India Board.

#### Genus NAGADEBA.

**Fœm.** Corpus sat robustum. Proboscis brevis. Palpi longissimi, gracillimi, arcuati, squamosi, oblique ascendentibus; articulus 3us lanceolatus, 2o multo brevior. Antennæ graciles. Abdomen alas posticas vix superans. Pedes graciles; calcaria longissima. Alas latæ, margine exteriore vix dentato; anticæ peracutæ, margine exteriore subconvexo sat obliquo.

**Female.** Body moderately stout. Proboscis short. Palpi curved, squamous, obliquely ascending, very long and slender, nearly thrice longer than the breadth of the head; third joint lanceolate, much shorter than the second. Antennæ slender. Abdomen hardly extending beyond the hind wings. Legs slender, smooth; spurs very long. Wings broad, not long; exterior border slightly festooned. Fore wings very acute; exterior border slightly convex, rather oblique.

#### NAGADEBA INDECORALIS.

**Fœm.** Fusca; tarsorum articuli apice albi; alas fascia marginali latissima cinereo-fusca, fimbria cervino bilineata; anticæ striga subtus nigra albido marginata.

**Female.** Brown. Joints of the tarsi with white tips. Wings with a very broad cinereous-brown marginal band; fringe with two fawn-coloured lines; under side whitish-speckled. Disk of the under side of the fore wings with a black transverse whitish-bordered streak, which is contracted in the middle. Length of the body 4 lines; of the wings 10 lines.

a. Java. Presented by the Secretary of the India Board.

Fam. PYRALIDÆ, C. L. H. xvii. 259.

Genus PYRALIS, C. L. H. xvii. 260.

**PYRALIS ARGENTALIS.**

Fœm. *Argenteo-alba ; caput subochraceum aut subfuscum ; palpi oblique ascendentibus, articulo 3o linearis 2i dimidio breviore ; thorax antice fuscus aut ochraceus ; abdomen alas posticas paullo superans ; alæ amplæ, strigis plurimis fuscis transversis ; antice acutæ, macula antemedia, plaga magna obliqua elongata postmedia guttaque postica fuscis, gutta subapicali atra fusiformi ; postice punctis duobus nigris subapicalibus.*

*Female.* Silvery white. Head slightly ochraceous or brown-tinted. Palpi smooth, slender, obliquely ascending, not rising higher than the vertex; third joint linear, rounded at the tip, less than half the length of the second. Antennæ stout, smooth. Thorax brown or ochraceous in front. Abdomen extending a little beyond the hind wings. Legs slender; tarsi and fore tibiae with brown bands. Wings ample, with numerous transverse short brown streaks. Fore wings acute, with a brown antemedial spot and a large oblique elongated postmedial brown patch; a deep black fusiform subapical dot; a brown dot varying in size close to the interior angle; exterior border slightly convex, rather oblique. Hind wings with two black subapical points. Length of the body 4 lines; of the wings 13 lines.

a, b. Java. Presented by the Secretary of the India Board.

**PYRALIS OBLIQUALIS.**

Mas et fœm. *Argenteo-alba ; caput supra fuscum ; palpi oblique ascendentibus, articulo 3o fusco longi-conico apice albo ; abdomen alas posticas paullo superans, fasciculo apicali maris parvo pallide ochraceo ; alæ antice vix acutæ, strigis plurimis transversis maculisque duabus obliquis elongatis fuscis, costa fusa albo punctata, punctis tribus marginalibus nigris ; postice lineis septem ochraceis obliquis.*

*Male and female.* Silvery white. Head brown above, except about the eyes. Palpi stout, obliquely ascending, not rising higher than the vertex; third joint brown, elongate-conical, white at the tip, about one-fourth of the length of the second. Antennæ smooth.

**Abdomen** extending a little beyond the hind wings; apical tuft of the male small, pale ochraceous. Legs slender; joints of the tarsi brown above, with white tips; fore femora and fore tibiæ brown above. Wings elongate, moderately broad. Fore wings hardly acute, with many little transverse brown streaks, which are darkest and most numerous towards the exterior border; two elongated oblique brown spots, which are more or less completely connected with the costa by two brown lines; three black points on the exterior border near the tip; costa brown, with white points; exterior border slightly convex, moderately oblique. Hind wings with seven oblique ochraceous lines. Length of the body 3—3½ lines; of the wings 8½—9 lines.

**Aru.** New Guinea. In Mr. Saunders' collection.

#### PYRALIS ATRIPUNCTALIS.

**Fœm.** *Sordide ochracea; palpi ascendentes, articulo 3o lanceolato 2i dimidio breviore; abdomen alas posticas sat superans; alæ ample, punctis nigris elongatis transversis, fascia media obliqua diffusa saturate ochracea; antice apice subrotundatae, gutta marginali nigra quadrata, plaga costali subapicali alba.*

**Female.** Dull ochraceous, stout. Palpi slender, applied to the head, not rising higher than the vertex; third joint lanceolate, less than half the length of the second. Antennæ stout. Abdomen extending rather beyond the hind wings. Legs smooth. Wings ample, with transversely elongated black points, which are most distinct and numerous on the under side; a diffuse oblique deeper ochraceous middle band. Fore wings slightly rounded at the tips; a quadrate black dot on the exterior border near the tip; a whitish costal patch near the tip; exterior border slightly convex, very oblique. Length of the body 5 lines; of the wings 14 lines.

**♂. Java.** Presented by the Secretary of the India Board.

#### PYRALIS ACUTALIS.

**Mas.** *Albida; palpi ascendentes, cervino vittati, verticem superantes, articulo 3o linearí 2i dimidio longiore; thorax antice cervinus; alæ longæ, latiusculæ, strigis plurimis transversis cervinis nonnunquam fusco marginatis.*

**Male.** Whitish. Palpi smooth, slender, obliquely ascending, rising higher than the vertex, striped with fawn-colour on both sides; third joint linear, much more than half the length of the

second. Antennæ smooth. Fore tegulae of the thorax fawn-colour. Abdomen extending rather beyond the hind wings; apical tuft fawn-colour. Legs smooth, slender; tarsi fawn-colour, their joints with whitish tips. Wings long, rather broad, with very numerous transverse pale fawn-coloured streaks, which are here and there brown, the latter hue most prevalent on the under side. Fore wings acute; exterior border convex, rather oblique. Length of the body 5 lines; of the wings 14 lines.

Mysol. In Mr. Saunders' collection.

#### PYRALIS ALBIFERALIS.

*Sordide ochracea, purpurascente-chalybæo suffusa; palpi ascendentes, verticem non superantes, articulo 3o linearis, 2i dimidio breviore; alæ antice longæ, apice subrotundatae, strigis plurimis transversis nigricantibus, fascia fusca late interrupta nigricante marginata, vitta subtus obscure ochracea apicem versus dilatata et abbreviata; postice spatio basali albido fasciam undulatam obscure ferrugineam includente, fasciis duabus exterioribus obscure ferrugineis ochraceo marginatis.*

Dull ochraceous, stout, with a purplish chalybeous gloss. Palpi smooth, slender, obliquely ascending, not rising higher than the vertex; third joint linear, much more slender than the second and less than half its length. Legs silvery whitish; fore coxae fawn-colour towards the base; tarsi fawn-colour; their joints with whitish tips. Wings long. Fore wings slightly rounded at the tips, with many blackish minute irregular transverse streaks; a brown blackish-bordered widely interrupted band, the fore part broader than the hind part; exterior border slightly convex, very oblique; under side silvery whitish, excepting the band and a dark ochraceous stripe, which is much dilated towards the tip and does not extend to the exterior border. Hind wings chalybæous; basal part whitish, including a dark ferruginous undulating band; two exterior dark ferruginous bands, which are bordered with dark ochraceous on the inner side; a submarginal line of black speckles. Length of the body 5 lines; of the wings 14 lines.

Batchian. In Mr. Saunders' collection.

#### PYRALIS IMBUTALIS.

*Fam. Subochracea; abdomen fuscens; alæ antice flavescentes cinerea, longæ, sibi angustæ, fasciis obscurioribus indeterminatis.*

*natis fusco marginatis, annulo subovali obscure fuscō, margine interiore basi costaque purpurascente suffusis; posticæ purpurascente nebulosæ, lineis nonnullis obscure fuscis.*

**Female.** Dull ochraceous. Body beneath and legs silvery whitish. Abdomen brownish, extending a little beyond the hind wings. Legs smooth, rather stout. Wings long, rather narrow. Fore wings yellowish cinereous, rounded at the tips, with five or six irregular darker incompletely brown-bordered bands; a purplish hue along the costa and along the basal part of the interior border; a dark brown longitudinal irregularly oval ringlet in the disk; exterior border hardly convex, very oblique. Hind wings purplish-clouded, with several dark brown irregular oblique lines. Wings beneath yellowish whitish, with a few irregular interrupted dark ochraceous blackish-bordered bands. Length of the body 4 lines; of the wings 12 lines.

**Mysol.** In Mr. Saunders' collection.

#### PYRALIS INDUCTALIS.

**Fœm.** *Pallide cinerea; caput et thorax cervina; palpi cervini, ascendentēs, verticem non superantēs, articulo 3o linearē 2o non breviore; alae longæ, angustæ; fasciis nonnullis angustis pallide cervinis nigricante submarginatis; antice acutæ, gutta apicali alba elliptica punctum atrum includente.*

**Female,** Pale cinereous. Head and thorax fawn-colour. Palpi fawn-colour, smooth, slender, obliquely ascending, not rising higher than the vertex; third joint linear, as long as the second. Abdomen extending much beyond the hind wings. Legs smooth, slender; tarsi pale fawn-colour, their joints with pale cinereous tips. Wings long, narrow, with several narrow oblique pale fawn-coloured partly blackish-bordered bands, the blackish hue darker and more complete on the under side. Fore wings acute, with a white elliptical apical dot, which contains a deep black point; exterior border convex, very oblique. Length of the body 3½ lines; of the wings 10 lines.

**Ceram.** In Mr. Saunders' collection.

## PYRALIS DISJUNCTALIS.

**Fem.** *Pallido cinerea ; caput et thorax anticus cervina ; palpi cervini, ascendentis, verticem paucis superantes, articulo 3o linearis 2a vix breviore ; alae longae, angustae, lineis cervinis interruptis ; anticae lineis quinque obscurioribus integris, 3a 4aque connexis, 3a fuscata, 4a subundulata, 5a latiore, gutta albida. Var.  $\beta$ .—Minor ; alae cervino et purpurascente suffusa, macula albida magis determinata.*

**Female.** Pale cinereous. Head and fore part of the thorax fawn-colour. Palpi fawn-colour, smooth, slender, obliquely ascending, rising a little higher than the vertex; third joint linear, nearly as long as the second. Wings long, narrow, with some interrupted fawn-coloured lines; under side glittering chalybeous, excepting the lines. Fore wings acute, with five darker entire lines; first and second lines antemedial; third forked in front, connected by a short longitudinal streak with the fourth, which is slightly undulating; fifth broader than the others, ending on the hind part of the exterior border, which is convex and very oblique; a white dot between the forks of the third line. *Var.  $\beta$ .*—Smaller. Wings, except near the base, suffused with fawn-colour and tinged with purplish; spot on the disk more white and conspicuous. Length of the body 3—4 lines; of the wings 9—11 lines.

**Mysol.** In Mr. Saunders' collection.

**Fam. ASOPIDÆ, C. L. H. xvii. 331.**

**Genus ÆDIODES, C. L. H. xvii. 347.**

## ÆDIODES SCISSALIS.

**Mas.** *Flava ; caput antice fuscum ; palpi fusci, erecti, latissimi, articulo 3o conico ; thorax luteo conspersus ; abdomen cinerascens, basi flavum luteo conspersum ; alae dimidio basali obliquo flavo luteo-conpresso, lineis duabus nigris, 2a punctulari, fascia exteriore glauco-cano, spatio marginali ferruginea, punctis marginalibus nigris elongatis ; anticae striga costalis nigra parva obliqua.*

**Male.** Yellow. Body beneath and legs silvery white. Head brown in front. Palpi brown, erect, not rising so high as the vertex; second joint much dilated; third conical. Thorax with orange

speckles. Abdomen glaucous-cinereous, yellow, with orange speckles towards the base, dark cinereous towards the tip, extending much beyond the hind wings. Fore tibiæ and tips of the fore tarsi dark cinereous. Wings orange-speckled on the yellow part, which occupies less than half the surface from the base and is concisely limited by an oblique black line; the latter is parallel to a line of black points, which divides a glaucous-hoary band from the exterior ferruginous part; marginal points black, elongated; under side iridescent-hoary, with two lines of black points. Fore wings with a little black oblique costal streak at the end of the line of points. Length of the body  $4\frac{1}{2}$  lines; of the wings 10 lines.

**Java.** Presented by the Secretary of the India Board.

**Genus MEGAPHYSA, C. L. H. xvii. 380.**

**MEGAPHYSA QUADRATALIS.**

**Fœm.** *Subochracea; palpi porrecti, caput sat superantes, articulo 3o conico; alæ antice subfalcatae, nigro subconspersæ, spatio medio albido subhyalino fascias duas ochraceas antice connexis postice remotis includente, fascia 2a brevissima lineam emittente, plaga exteriore e atomis nigris, lineis tribus ochraceis angulatis adhuc exterioribus, striga longitudinali albida fere hyalina; posticæ albidae, fere hyalinae, lineis tribus ochraceis abbreviatis.*

**Female.** Dull ochraceous. Palpi porrect, stout, extending somewhat beyond the head; third joint conical, very short. Abdomen extending for half its length beyond the hind wings. Fore tibiæ densely fringed. Fore wings subfalcate, thinly black-speckled; middle part of the disk whitish, nearly hyaline, including two ochraceous bands, which are united near the costa and diverge from each other towards the interior border; second band very short, connected with the interior border by an undulating ochraceous line; an exterior patch of black speckles; three more exterior angular ochraceous lines, the second interrupted by a whitish nearly hyaline streak, which is interrupted by the third; marginal line brown; fringe partly clouded with brown; exterior border undulating; interior border much excavated towards the tip. Hind wings whitish, nearly hyaline, with three ochraceous lines, which are abbreviated towards the interior border; first line undulating, near the second, which is submarginal; third marginal; costa much dilated towards

the tip. *Var. β.*—Markings of the wings paler, less concise. Length of the body 9½ lines; of the wings 19 lines.

*a, b. Java.* Presented by the Secretary of the India Board.

#### MEGAPHYSA QUADRIFERALIS.

*Mas.* *Ochracea*; *palpi porrecti, sat graciles, articulo 3o fuso lanceolato; alae linea postmedia e punctis nigris; anticea subfalcatae, lineis duabus nigricantibus undulatis, plaga intermedia albida fere hyalina maculam subquadratam fuscescentem nigricante marginatam includente, striga exteriore costali obliqua nigricante, linea adhuc exteriore undulata obscure ochracea; posticea albidae, fere hyalinae, atomis costalibus nigris, fascia apicali ochracea brevi.*

*Male.* Ochraceous. Body beneath and legs whitish. Palpi porrect, rather slender, extending somewhat beyond the head; third joint brown, lanceolate, less than half the length of the second. Antennæ minutely pubescent. Abdomen with four small tufts on each side beyond the middle, extending very much beyond the hind wings; apical tuft compressed. Fore tibiae ochraceous above. Wings with an incomplete line of black points at three-fourths of the length. Fore wings subfalcate, with two blackish undulating lines, which include a whitish nearly hyaline patch, the latter containing a brownish subquadrate blackish-bordered spot; a blackish exterior oblique streak which extends from the costa to the disk and borders the inner side of a longitudinal whitish nearly hyaline streak, the latter interrupted by a dark ochraceous undulating line; marginal line brown, not extending beyond half the length from the costa, accompanied by four brown spots on the fringe; exterior border undulating; interior border much excavated towards the tip. Hind wings whitish, nearly hyaline, with a marginal ochraceous band, which extends from beyond the middle of the costa to the fore part of the exterior border and is continued by a line to the interior angle; costa with some black speckles, much dilated towards the tip. Length of the body 8 lines; of the wings 18 lines.

The subquadrate spot on the fore wing is not oblique, like the first band on the fore wing of *M. quadratalis*, to which this species is nearly allied.

## MEGAPHYSA? INTEGRALIS.

**Fœm.** *Ochracea ; oculi albo marginati ; palpi lati, oblique ascendentes, articulo 2o dense fimbriato, 3o brevissimo ; abdomen fuscus bifasciatum ; alæ antice fascia obscuriore angulata indeterminata fusco marginata, lunula alba, plagiis duabus exterioribus pallide ochraceis fusco submarginatis, margine exteriore subconvexo, margine interiore apicem versus subexcavato ; postice æneæ, margine exteriore subundulato.*

**Female.** Ochraceous. Body beneath and legs silvery white. Eyes white-bordered. Palpi broad, obliquely ascending, not rising higher than the vertex; second joint densely fringed; third extremely short. Abdomen extending for half its length beyond the hind wings; two brown bands on the hind borders of the third and fourth segments; hind borders of the fifth and sixth segments brown. Fore wings acute, with a darker angular incomplete brown-bordered band, which is partly intersected by a slender white lunule; two pale ochraceous patches, which are partly bordered with brown and are connected by a dentate brown line; first patch costal; second on the apical part of the interior border, which is slightly excavated towards the tip; exterior border slightly convex. Hind wings æneous; exterior border slightly undulating. Length of the body 8 lines; of the wings 18 lines.

This species has much affinity to the genus *Botys*.

a. Java. Presented by the Secretary of the India Board.

Fam. HYDROCAMPIDÆ, C. L. H. xvii. 426.

Genus OLIGOSTIGMA, C. L. H. xvii. 429.

## OLIGOSTIGMA USTALIS.

**Fœm.** *Ochracea ; palpi porrecti, graciles, subarcuati, basi fuscis, articulo 3o lanceolato 2o vix breviore ; alæ fuscæ, lineis tribus undulatis indeterminatis argenteo-albis, 2a 3aque lineam ochraceam undulatam includentibus, guttis marginalibus ochraceis connexis puncta nigra angulata includentibus, linea marginali nigra duplicita ; antice lunula albida nigro marginata ; postice litura disci nigricante, margine exteriore undulato.*

**Female.** Ochraceous. Body beneath and legs silvery white. Palpi porrect, slender, slightly curved, brown towards the base, not longer than the breadth of the head; third joint lanceolate, nearly as long as the second. Maxillary palpi very short. Abdomen extending much beyond the hind wings. Tibiae with two brown bands. Wings mostly brown; three silvery white undulating incomplete lines; first line antemedial; second with an ochraceous undulating line between it and the third, which is submarginal; marginal dots ochraceous, connected, containing angular black points and bordered on the outer side by a double black festoon; fringe cinereous-brown. Fore wings with a whitish black-bordered lunule. Hind wings with a blackish mark in the disk; exterior border undulating. Length of the body  $5\frac{1}{2}$  lines; of the wings 13 lines.

a. Java. Presented by the Secretary of the India Board.

#### OLIGOSTIGMA VAGALIS.

Fœm. *Ochracea; palpi lati, oblique ascendentes, apice albi, articulo 3o brevissimo; alæ linea antemedia fascia que albù nigricante marginatis, fascia marginibus albo interlineatis, linea submarginali alba nigricante marginata lituram nigricantem includente; antica linea alba 3a acutissime angulata, striga exteriore alba lineam nigricantem undulatam includente, lineolis duabus longitudinalibus albis adhuc exterioribus; posticæ gutta fusca antemedia.*

**Female.** Ochraceous. Body beneath and legs silvery white. Palpi broad, obliquely ascending, with white tips, not rising higher than the vertex; third joint extremely short. Tegulae of the thorax white-bordered. Fore tibiae with brown tips. Wings with an irregular white blackish-bordered line near the base, and with an irregular white band, which is diffusely blackish-bordered, the inner blackish border containing a slightly zigzag white line, the outer blackish border also containing a white line; submarginal line white, irregular, blackish-bordered, interrupted in the middle by a blackish mark; marginal festoon blackish. Fore wings with the white line on the outer side of the band forming a very long and acute angle, which approaches the interior border and has on its outer side an irregular white streak, which contains an undulating blackish line; two white longitudinal lines between this streak and the submarginal line. Hind wings with a brown dot near the inner side

of the white band. Length of the body 7? lines; of the wings 16 lines.

, b. Java. Presented by the Secretary of the India Board.

#### OLIGOSTIGMA BIPUNCTALIS.

Mas et fœm. *Alba; palpi cervini, graciles, oblique ascendentes, articulo 3o minimo; alæ fascia marginali ochracea nigro marginata; antica vitta costali abbreviata furcata fascia que submarginali cervinis, vitta postica ochracea; posticæ vitta media ochracea, macula marginali fusca gutta dua alba nigro marginata includente.* Mas.—*Alæ antica tegula costali reflexa.*

*Male and female.* White. Palpi fawn-colour, slender, obliquely ascending, not rising higher than the vertex; third joint very minute. Legs very long and slender. Wings with a marginal black-bordered ochraceous band. Fore wings with an irregular abbreviated fawn-coloured costal stripe, which is forked near its tip, the hind fork extending to a submarginal fawn-coloured band; an ochraceous stripe along the interior border. Hind wings with an ochraceous stripe in the disk; fore part of the marginal band with a brown spot, which contains two white black-bordered points. *Male.*—Head and thorax with a slight ochraceous tinge. Antennæ stout. Abdomen extending for more than half its length beyond the hind wings. Fore wings with a reflexed costal lappet, which extends beyond half its length from the base. *Female.*—Abdomen extending for less than half its length beyond the hind wings. Wings with the white hue more prevalent than in the male. Length of the body 6 lines; of the wings 12—16 lines.

, b. Java. Presented by the Secretary of the India Board.

#### OLIGOSTIGMA TRIPUNCTALIS.

Mas et fœm. *Ochracea; palpi erecti, articulo 3o lanceolato 2i dimidio non longiore; alæ linea submarginali linea que marginali nigris angustis parallelis; antica macula costali magna trigona fascia que submarginali arcuata argenteo-albis; posticæ lineis tribus longitudinalibus nigris, 1a 3aque abbreviatis, punctis tribus marginalibus nigris albo marginatis.* Mas.—*Alæ antica fimbria disco longitudinali, costa subconvexa.*

*Male and female.* Ochraceous. Palpi erect, not rising higher than the vertex; third joint lanceolate, not more than half the length of the second. Legs silvery white, very long and slender. Wings with two black slender parallel lines, one submarginal, the other marginal. Fore wings with a large triangular silvery costal spot, which is near a silvery white curved submarginal band, the latter is bordered by the black submarginal line and does not extend to the interior border. Hind wings with three black lines; first and third abbreviated; second complete; three black white-bordered points near the end of the exterior border. *Male*.—Antennæ stout. Abdomen extending for half its length beyond the hind wings. Fore wings with a longitudinal fringe in the disk; costa slightly convex for more than half the length from the base. *Female*.—Abdomen extending much beyond the hind wings. Length of the body 5 lines; of the wings 12—15 lines.

a—c. Java. Presented by the Secretary of the India Board.

### Genus HYDROCAMPA, C. L. H. xvii. 456.

#### HYDROCAMPA? DESUMPTALIS.

*Alba; thoracis latera antica ochracea; pedes longi, gracillimi; alæ anticae vitta ochracea strigam fasciamque attenuatam emittente, linea exteriore undulata plagaque marginali ochraceis; posticæ linea plagaque apicali ochraceis.*

White. Thorax ochraceous on each side in front. Legs long, smooth, very slender. Fore wings acute, with an ochraceous costal stripe, which extends from the base to somewhat beyond the middle and emits a short branch towards the disk at half its length and also emits a band at its tip; this band is attenuated into a line near the interior border; an exterior undulating ochraceous line, which is contiguous to a marginal ochraceous patch; exterior border convex, very oblique. Hind wings with an ochraceous line, which is opposite the attenuated band of the fore wings, and with an ochraceous apical patch. Length of the body 3 lines; of the wings 7 lines.

a. Ega. From Mr. Bates' collection.

## HYDROCAMPA? FILIGERALIS.

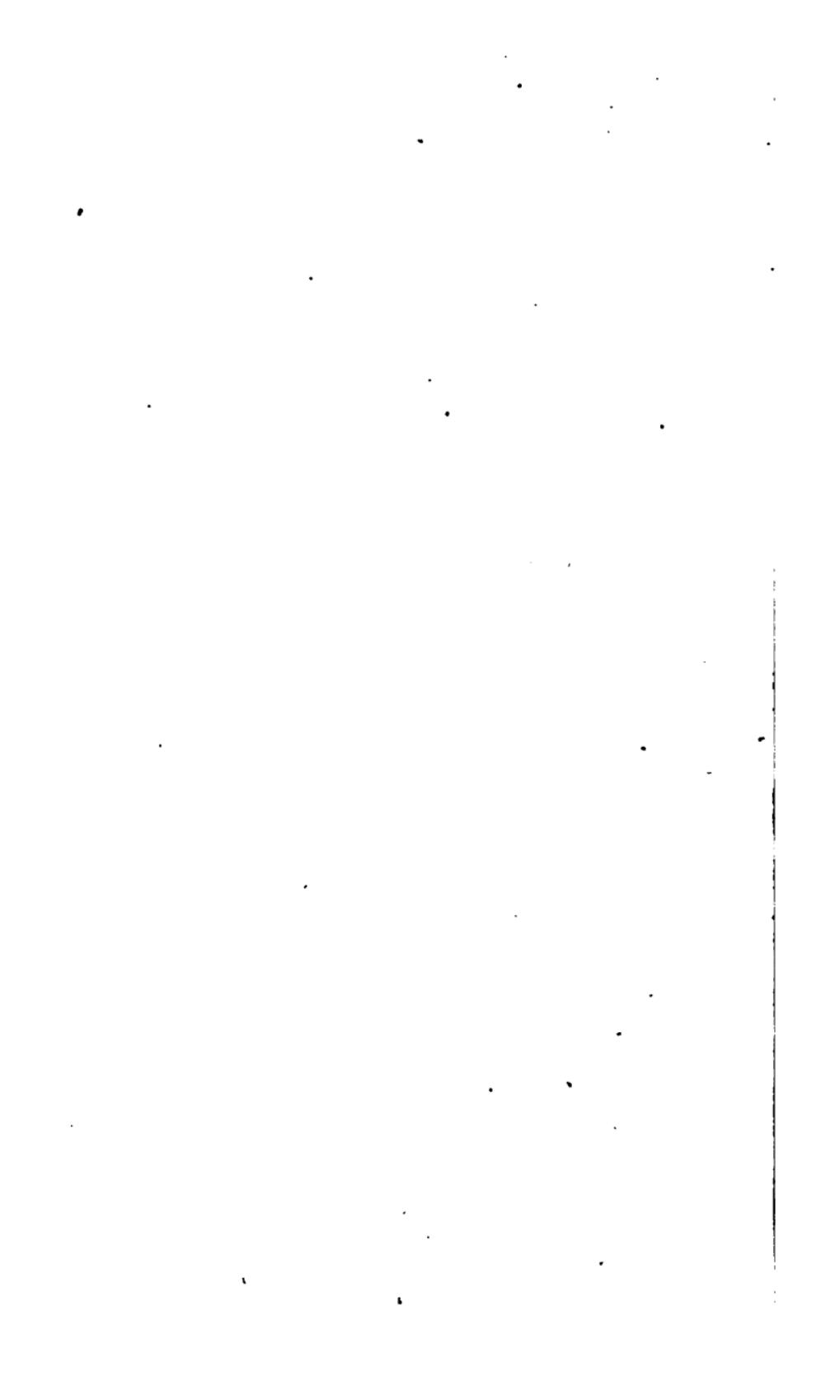
**Mas.** *Argenteo-alba, gracilis; palpi graciles, oblique ascendentes, verticem non superantes, articulo 3o lanceolato; antennae submoniliformes, longissimæ, gracillimæ; abdomen alas posticas plus dimidio superans, fasciculo apicali elongato subcompresso; alæ longæ, angustæ, nigricante conspersæ, fascia lata alba arcuata, lineas duas fuscas includente; antice lineis tribus albis postmediis obliquis postice approximatis.*

**Male.** Silvery white, slender. Palpi slender, obliquely ascending, not rising higher than the vertex; third joint lanceolate, not more than one-third of the length of the second. Antennæ submoniliform, very long and slender, longer than the fore wings. Abdomen extending for more than half its length beyond the hind wings; apical tuft elongate, slightly compressed. Legs slender. Wings long, narrow, blackish-speckled, with a broad white curved band, which contains two brown lines, one near its inner border, the other near its outer border. Fore wings acute, with three white lines which converge from the exterior part of the costa to the middle of the exterior border; the latter is rounded and rather oblique. Length of the body 4 lines; of the wings 8 lines.

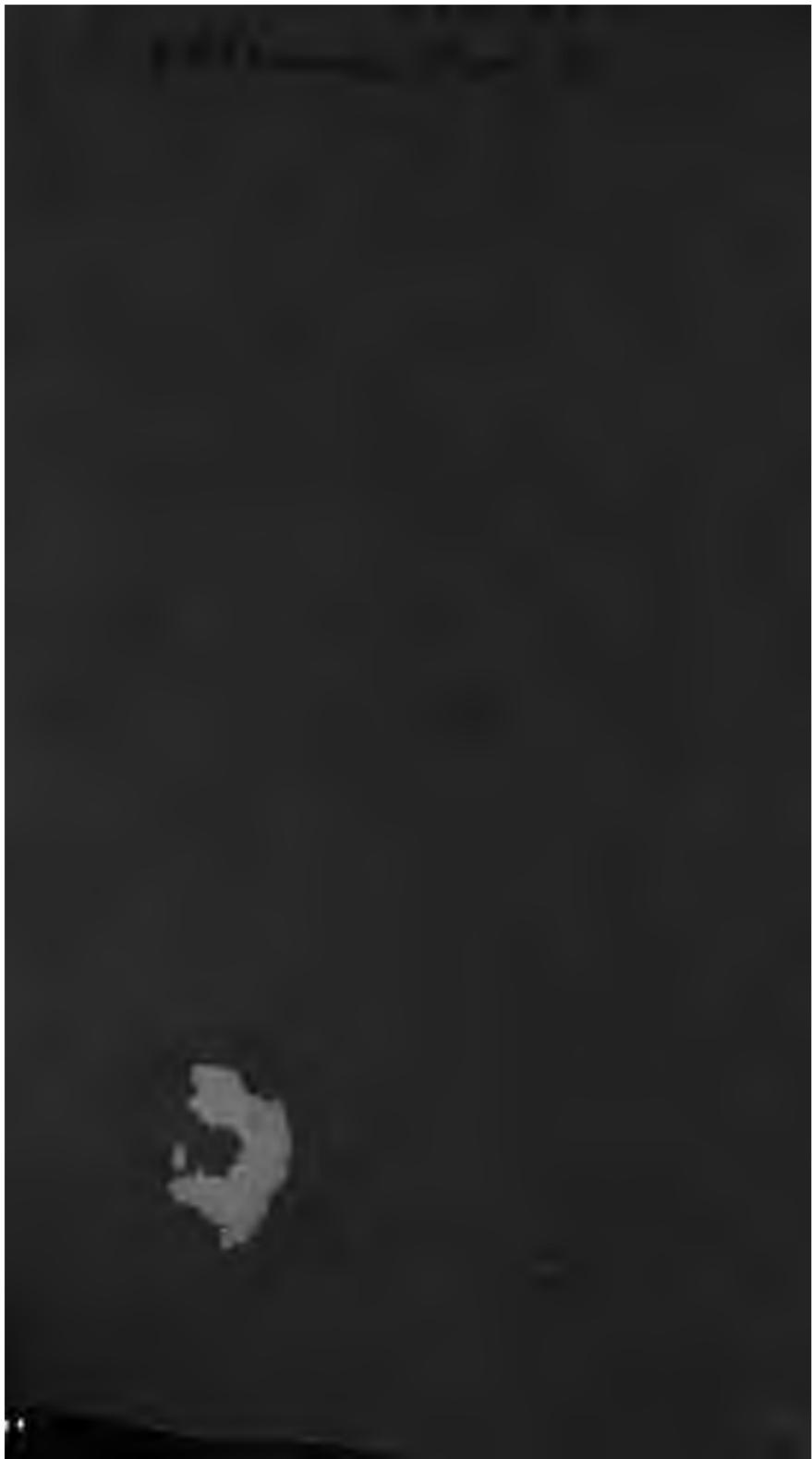
**a. Ega.** From Mr. Bates' collection.

## BALLATHA ATROTUMENS, p. 1215.

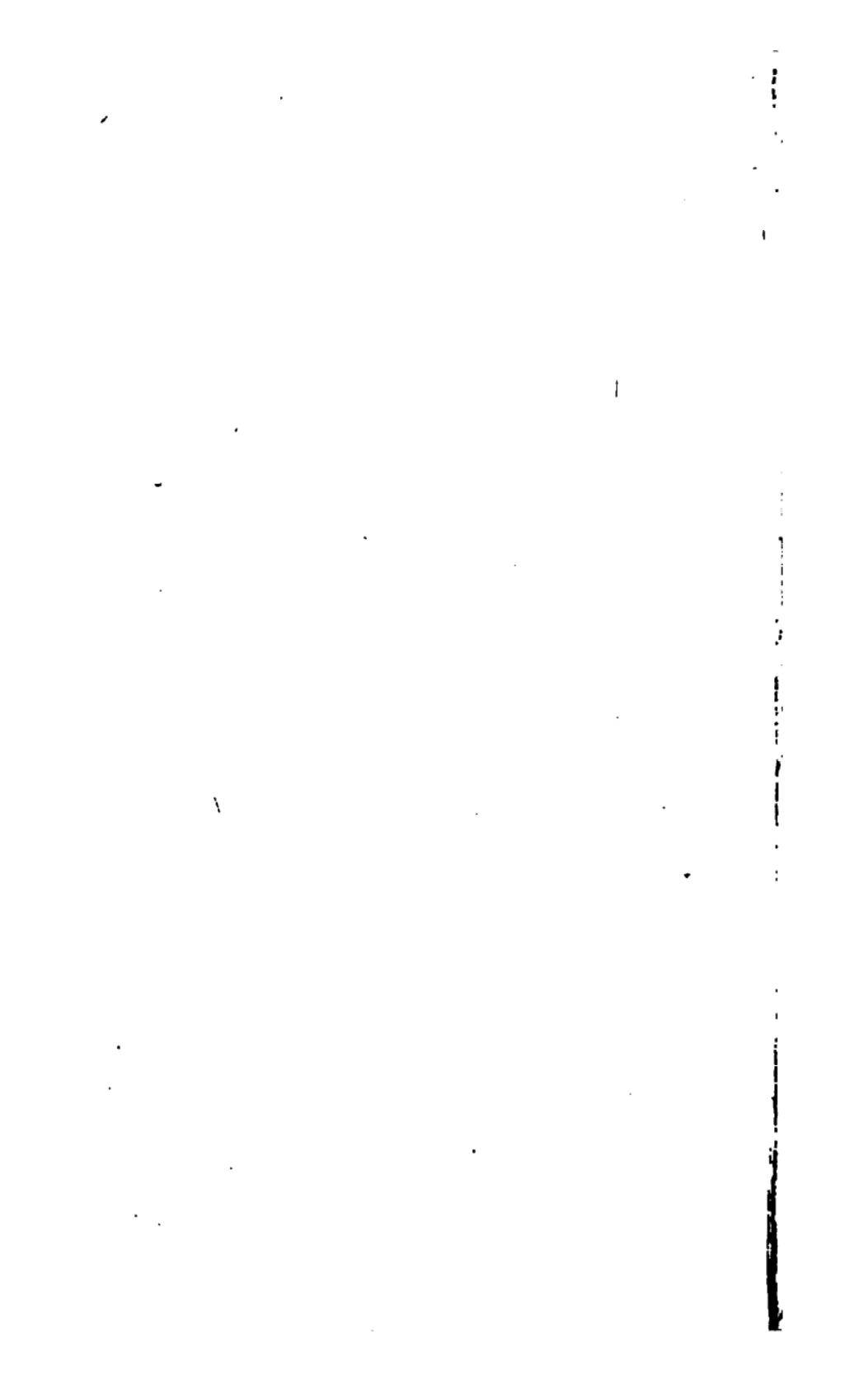
*Cacyparis insolitata, C. L. H. xxvi. 1572.* The two latter names may be annulled.







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